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A BOTANICAL MATERIA

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A
BOTANICAL
MATERIA MEDICA,

CONSISTING OF THE
GENERIC AND SPECIFIC CHARACTERS
OF THE
PLANTS

USED IN
MEDICINE AND DIET,

WITH
SYNONYMS,
AND REFERENCES TO MEDICAL AUTHORS;

BY
JONATHAN STOKES M. D.

IN FOUR VOLUMES.

VOL. III.

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Class 11.

DODECANDRIA.

Order 1.

MONOGYNIA.

1. *Flowers monopetalous.*

497. *BASSIA.* *Berry* with from 1 to 5 seeds.
 Calyx tetraphyllous.

2. *Flowers mostly tetrapetalous.*

498. *RHIZOPHORA.* *Seed* 1, clavate. *Calyx* quadripartite, and multipartite.
 Corolla quadripartite tetrapetalous and polypetalous.
501. *CRATAEVA.* *Berry* unilocular, polyspermous.
 Calyx quadrifid.
499. *GARCINIA.* *Berry* sexlocular and octolocular.
 Petals 4. *Calyx* tetraphyllous.

3. *Flowers pentapetalous.*

Rhizophora.

504. *PORTULACA.* *Capsule* unilocular, cut round and trivalve. *Calyx* bifid.
 From L.

503. PEGANUM. *Capsule* trilocular, polyspermous. *Calyx* pentaphyllous. *Stamina* 15.
507. KLINHOVIA. *Capsule* quinquelocular, inflated; cells monospermous. *Calyx* pentaphyllous. *Nectarium* staminiferous. *Germen* pedicellate.
502. BARTRAMIA. *Capsule* trilocular sexlocular and octolocular; cells monospermous. *Nectaria* 5, glandular. *From Gaertn.*
500. CANELLA. *Berry* unilocular, with 2 and 4 seeds. *Nectarium* urceolate. *Antherae* growing to the outside of the nectarium.

4. *Flowers hexapetalous.*

506. PEMPHIS. *Capsule* superior, unilocular, cut round near the base.
505. LYTHRUM. *Capsule* superior, bilocular.
496. ALANGIUM. *Berry* inferior, unilocular.

5. *Flowers incomplete.*

494. ASARUM. *Calyx* superior, trifid and quadrifid. *Capsule* sexlocular. *Obs.* 4752.
495. BOCCONIA. *Calyx* inferior, diphyllous. *Capsule* monospermous.

Order 2.

DIGYNIA.

508. AGRIMONIA. *Petals* 5. *Calyx* quinquefid.
Seed 1 & 2. L.

Order 3.

TRIGYNIA.

509. RESEDA. *Capsule* unilocular, open. *Petals* mostly cloven. *Calyx* partite. Obs. 3775.
510. EUPHORBIA. *Capsule* tricoccous. *Petals* pel-tate. *Calyx* ventricose. L.
511. TACCA. *Berry* polyspermous. *Calyx* superior.
512. MENISPERMUM. *Berries* 2 to 6, monospermous.
Calyx inferior.

Order 4.

TETRAGYNIA.

513. DICHROA. *Berry* quadrilocular, polysper-

mous. *Calyx* inferior, quadridentate. *From Lour.*

Order 5.

PENTAGYNIA.

514. GLINUS. *Corolla* none. *Calyx* pentaphyllous. *Capsule* quinquelocular.

Order 6.

HEXAGYNIA.

515. STRATIOTES. *Calyx* superior, trifid. *Berry* sexlocular. *Petals* 3. *Obs.* 7668.

Order 7.

DODECAGYNIA.

516. SEMPERVIVUM. *Capsules* 12. *Petals* 12. *Calyx* duodecimpartite. *L.*

MONOGYNIA.

494. ASARUM.

Calyx superior, trifid and quadrifid. *Corolla* none.
Antherae growing to the middle of the filaments.
Stigma sexpartite. *Capsule* sexlocular. *Obs.*
 4752. *L.—Juss.* 73.

1. ASARUM *renifolium*. Leaves reniform. *Obs.* 8749.
 In a garden.

A. europaeum. *L. suec. n.* 421, in a wood near Hackebarg in Scania; *sp.* 633. *Bot. arr.* 488. *Fl. dan. t.* 633. *Retz. scand. n.* 587, in groves. —*Woodv.* ii, 237. *t.* 86. *Smith brit.* 509, found by Dr. Batty near Kirkby Lonsdale in Westmorland; *engl. t.* 1083, found by Dr. Abbot in Berkshire between Henley and Maidenhead.—*Scop. carn. n.* 563. In shady thickets about Idria in Friuli.—*Host* 255. In groves.—*Roth germ.* i. 202; ii. 518. *Poll. n.* 448. In very close shady thickets.—*Turn. & Dillw. guide* 643. Found by Mr. Richardson in Ramskin Martindale in Westmorland; 153, said by Hutchinson to have been found near Keswick in Cumberland; 369, and found by Mr. Hutton near Preston in Lancashire.

Asarum. *Raii hist.* 207; *eur.* 69. In woods on the side of Mount Jura.—*Dill. ap. Raii syn.* 158. Found by Knowlton in a hedge at Chernells [Cheverils] green near Beachwood, [in Hertfordshire].—*Leigh* 97, in several places in Lancashire.—*Tourn.*

paris. 318. In woods.—*Vaill. paris*. 16. *Boerh.* ii. 95. In Holland.—*Brunsf.* i. 71. *Matth.* 36. Leaves acute.—*Vent. tabl. t.* 6. *f.* 2. *Guett.* i. 198. In woods.—*Trag.* 64, repr. in *Cord. fol.* 112. p. 1. *Fuchs.* 9, *fol. ed. cop.* in 10. c. 3, and *Bauh. J.* iii. 548. Leaves acute.—*Dalech.* 914. *Dod.* 354, repr. in *ed.* ii. 358, *Lob. obs.* 328, and *Ger. by Johns.* 836, *abr. in Park. par.* 532. *t.* 531. *f.* 6, & repr. in

A. baccaris, sive *baccatus*. *Lob. ic.* i. 601; *adv.* 261. In Savoy, Dauphine, Provence, and the Pyrenees. No fig.

Asarum. Cam. epit. 19, *cop. in*

A. vulgare. Park. theatr. 266.

Stems very short, horizontal, with 2 leaves and 1 flower. Leaves opposite, at the end of the stem, shining, entire at the margin. Flower 1, between the leaves. Calyx urceolate, coriaceous, brittle, within corollaceous blackish purple and scabrous, green and hirsutulous without; segments ovate, mucronate, the ends inflex. Stamina inserted into the upper part of the germen. Filaments blackish purple, the part above the insertion of the antherae subulate. Antherae unilocular, 2 to each filament. Germen oval, nearly inferior. *Obs.* 8749.

Native of Italy, France, Germany, Sweden, Holland, Berkshire, Hertfordshire, Lancashire, and Westmorland.

ASARUM. Leaves. *Pharm. lond.*—*Alst.* i. 393. *Berg.* 380. *Blagden, R. in med. facts* iv. 126. *Chom.* 30; *suppl.* 15. *Coste & Willem. account from in med. comment.* v. 298. n. 3. *Cull.* ii. 437. 473. *Dale* 79. *Geoffr.* iii. 129. *Gillibert*

in med. journ. v. 130. *Heb.* 65. *Herm.* 109. *Hill* 639. *Krock.* n. 712. *Lew.* i. 178; disp. by *Dunc.* 163. *Linn.* 142. *Mill. Jos.* 56. *Monro* iii. 25. *Murr.* i. 359. *Neum.* ii. 119. *Quar.* anim. 186. *Pears. R.* i. 110. *Rutty* 43. *Schrod.* 757. *Spielm.* 609. *Swiet.* iv. 258. *Und.* i. 279; ii. 50. *Vog.* 52. 188. *Ware gutta ser.* 114; in med. soc. iii. 343, and account from in chir. rev. i. 483. *Whytt nerv.* 513.

A. europaeum. *Pharm. edin.*—*Murr. J.* i. 242. 344. *Pears. R.* i. 174. 222.

2. *ASARUM canadense.* Leaves reniform, mucronate. Segments of the calyx patent. From *L. sp.* 633, *R. Sal. & Corn.*—*Hort. kew.* i. 124.

A. latifolium. *Sal. R. hort.* 344.

A. foliis reniformibus mucronatis binis. *Gron. virg.* 72, where Clayton describes the leaves as serrate and not spotted.

Asaron canadense. *Corn, 24. t. 25. cop. in*

A. americanum. *Park. theatr.* 266, &

A. canadense, mucronato folio, *Hist. ox. s.* 13. t. 7. f. 4.

ASARUM canadense, *Bart.* 26. 48. *Coxe* 368. *Schoepf* 72.

3. *ASARUM maculatum.* Leaves cordate, glabrous. *Obs.* 4753. Specimen gathered in Fothergill's garden.

A. virginicum. *L.—H, K,* i. 124. *Lour.* i. 357. *Thunb. jap.* 190.

A. foliis cordatis obtusis glabris petiolatis. *Gron. virg.* 72.

A. virginianum, pistolochiae foliis subrotundis, cy-

8 DODECANDRIA. 496. Alangium.

claminis more maculatis. *Pluk. alm.* 53; *phyt.* t. 78, f. 2.

A. virginianum, cordato folio maculato. *Hist. ox.* iii. 511. s. 17. t. 7. row 3. f. 3.

Leaves triangulari-cordate, acute, entire at the margin, spotted. *Obs.* 4753.

ASARUM virginianum. *Dale* 79. *Mill. Jos.* 57. Asarum. *Schoepf* 72.

495. BOCCONIA.

Calyx diphyllous. *Corolla* none. *Style* bifid. *Cap-
sule* bivalve, monospermous. *L. a Willd.* *L.*

1. BOCCONIA *sinuatifolia*.—Leaves oblong, sinuate. *Willd.*

B. frutescens. *L. sp.* 634; *a Willd.* ii. 840. *Swartz. obs.* 187. *Jacq. amer.* 146; 8vo, 184. *Hort. kew.* ii. 125.

Bocconia. *Browne* 244.

B. ramosa, sphondylii folio tomentoso. *Trew sel.* t. 4.

Chelidonium majus arboreum, foliis quercinis. *Sloane cat.* 82; *hist.* i. 196. t. 125.

BOCCONIA (misprinted Bocconix.) *Quier in lett.* 83.

Cocoxihuitl. *Hern.* 158.

496. ALANGIUM.

Calyx superior, permanent, sexdentate and decem-
dentate. *Petals* 6 and 10. *Berry* unilocular.
From Juss. 323. *Lam.*

1. *ALANGIUM hexapetalum*. Petals 6. From Vahl.
symb. ii. 62.

Arbor baccifera maderaspatana. *Pluk. amalth.* 24;
phyt. t. 370. *f.* 1.

KARA ANGOLAM. *Rheede* iv. 55. *t.* 26.

Arbor indica prunifera, fructu umbilicato corticoso
persici simili. *Raii hist.* 1483.

2. *ALANGIUM decapetalum*. Petals 10. From Vahl.
symb. ii. 61.

Grewia salvifolia. *L. fil. suppl.* 409.

ANGOLAM. *Rheede* iv. 39. *t.* 17.

Arbor indica baccifera, fructu umbilicato rotundo ce-
rasi magnitudine dicocco. *Raii hist.* 1497.

497. BASSIA.

Calyx inferior, tetraphyllous. *Corolla* octofid to
multifid. *Stamina* inserted into the corolla, in
2 and 3 rows. *Berry* with from 1 to 5 seeds.
From Koen. in *L. Gaertn. & Roxb.*

1. *BASSIA latifolia*. Flowers terminal. Leaves el-
liptico-oval. From *Roxb.* i. 20. *t.* 19.

MADHUCA. *Hamilt. C. in as. res.* i. *t. at p.*
300. *Jones ib.* iv. 292;—ii. 351.

Mahwah tree. *Hamilt. C. ib.* i. 300.

498. RHIZOPHORA.

Calyx quadripartite and multipartite. *Corolla* te-
trapetalous pentapetalous and polypetalous. *Seed*

1, very long, fleshy at the base. *From L. Rheede and Gaertn. i. 212.*

1. RHIZOPHORA *gymnorhiza*. Calyx of the fruit multifid; segments incurvate. *From Gaertn. i. 213. t. 45. L. sp. 634.*

α *fusiformis*. Seed striate, fusiform. *From Mangium celsum. Rumph. iii. 102. t. 68.*

CANDEL. Rheede vi. 57. t. 31. 32. Raii hist. 1769. Petals 12.

- β *cylindrica*. Seed striate, cylindric, obtuse. *From R. gymnorhiza. Gaertn. i. 213 β ,*

R. cylindrica. L. sp. 635, &

Mangium minus. Rumph. ii. 106. t. 69.

KARII-KANDEL, seu Kanil-Kandel. Rheede vi. 59. t. 33. Raii hist. 1770, where for Karil read Karii.

- γ *laevis*. Seed smooth. *From*

R. gymnorhiza. Gaertn. i. 213 γ , &

MANGIUM digitatum. Rumph. iii. 107. t. 68.

2. RHIZOPHORA *Candel*. Leaves obtuse. Peduncles bigeminate, longer than the leaves. Fruit subulate. *L. sp. 634.*

TSJEROU KANDEL. Rheede vi. 63. t. 35. Raii hist. 1770. Petals 5.

3. RHIZOPHORA *Mangle*. Calyx of the fruit reflex, quadrifid. Petals 4. Stamina 8. *From Jacq. am. 141. t. 89; ed. 8vo, 177, and Rumphius's figures.—L. sp. 634; a Murr. 442, Gaertn. i. 212. t. 45.*

Rhizophora. Browne 211.

Mangium candelarium. Rumph. iii. 108. t. 71. 72.

Mangle arbor pyrifera, fructu oblongo tereti, summis ramis radicata. *Pluk. alm.* 241; *phyt. t.* 204. f. 3.

Mangle pyri foliis, cum siliquis longis, ficu indicæ affinis. *Bauh. J. i. b.* 415. No fig.—*Raii hist.* 1772. *Sloane cat.* 155.

Candela americana. *Cat. ii. t.* 63.

Mangue Guaparaiba. *Pis. bras.* 114. t. 113, repr. in

Guaparaiba. *Pis. ind.* 204.

MANGLES. *Vog.* 294.

Pee Kandel. *Rheede vi.* 91, t. 34. *Raii hist.* 1770.

499. GARCINIA.

Calyx inferior, tetraphyllous. *Petals* 4. *Berry* sexlocular and octolocular. *From L. a Schreb.* 319. 831, *Vent. iv.* 115. t. 16. f. 2, & *L.*

1. *GARCINIA sulcata.* Leaves elliptic. Flowers solitary, terminal, nearly sessile. Berries sulcate. *From*

G. Cambogia. *L. a Willd.* ii. 848, from a dried specimen,

Mangostana Cambogia. *Gaertn.* ii. 106. t. 105,

Cambogia. *L. amoen.* i. 128. 332, &

Coddam-pulli. *Rheede i.* 41. t. 24, abr. in

Gumbooge tree. *Brookes vi.* t. at p. 86.

CAMBOGIA Gutta. *L. sp.* 728.—*Koen. ap. Murr. appar.* iv. 657. *Murr. account from in med. comment. dec. II.* iv. 184. *Lour. i.* 406. (The medical virtues belong to *Cambogia Gutta.*)

Carcapuli. *Dalech. app.* 13, cop. in *Bauh. J. i. a.* 105, and *Park. theatr.* 1635. *Raii hist.* 1661.

2. *GARCINIA Mangostana*. Leaves elliptic. Peduncles uniflorous. Berries smooth. From *L. sp.* 635,

Mangostans Garciae. *Garcin in ph. tr. abr. by Hutt.* vii. 632. t. 16. f. 1—9, parts of fructification and a leaf, &

Mangostana. *Rumph.* i. 132. t. 43, which cop. in *The Mangostan*. *Ellis mang.* t.

Fructus Mangostan. *Bont.* 115.

Laurifolia javanensis. *Raii hist.* 1662.

Mangostans. *Bauh. J. i. a.* 107. No fig.

MANGOSTANA. *Murr.* iii. 525, *Vog.* 295.

G. Mangostana. *Bry.* 199.

Mangustine. *Thunb. trav.* ii. 277.

Mangusteen. *Perciv. Rob. ceyl.* 313.

3. *GARCINIA triflora*. Peduncles triflorous. From *G. celebica*. *L. sp.* 635, &

MANGOSTANA celebica, seu *Kiras*, *Rumph.* i. 134. t. 44.

500. CANELLA.

Calyx trilobate. *Petals* 5. *Nectarium* urceolate, *Antherae* growing to the outside of the nectarium. *Germen* trilocular. *Berry* unilocular. From *Murr. & Swartz*.

1. *CANELLA alba*. *Murr. ap. L. a Murr.* 443. *Swartz. obs.* 190; in *linn. tr.* ii. 356; i. 96. t. 8, cop. in *Woodv.* ii. 318. t. 117. *Hort. kew.* ii. 125. *Park. theatr.* 1581. No fig.

C. Winterana. *Gaertn.* i. 373. t. 77.

Canella. *Browne* 275. t. 27. f. 2. 3. Fructifications.

Winterania Canella. *L. sp.* 636; *fil. suppl.* 247. (*Lour.* i. 359, has a berry with 6 cells.)

Cassia cinnamomea, sive Cinnamomum sylvestre barbadensium. *Pluk. alm.* 89; *phyt. t.* 160. f. 7.

Arbor baccifera laurifolia aromatica, fructu viridi calyculato racemoso. *Sloane cat.* 165; *hist.* ii. 87. t. 191. f. 2, *cop. in ph. tr. abr. by Lowth.* ii. 665. t. 9. f. 167; *by Hutt.* iii. 427. *Cat.* ii. t. 50.

C. alba quorundam. *Bauh. J.* i. a. 461. The bark.

(*Cassia lignea jamaicensis*, laureolae foliis subcinereis, cortice piperis modo acri. *Pluk. alm.* 89; *phyt. t.* 81. f. 1, has a persistant style.)

CANELLA. *Lew.* i. 269. *Graing.* 37.

C. alba. Bark. *Pharm. lond. edin.*—*Adair in med. comment.* ix. 208. *Chalm.* i. 156. *Cull.* ii. 210. *Dale* 300. *Geoffr.* ii. 174. *Heb.* 240. *Hill* 669. *Lafondgouzi*, account from in *chir. rev.* xi. 394. *Lew. disp. by Dunc.* 173. *Linn.* 142. *Long* 705. *Mill. Jos.* 106. *Monro* iii. 37. *Murr.* iv. 566; *J.* i. 195. *Pears. R.* ii. 172. *Rutty* 88. *Schoepf* 73. *Wright in med. journ.* viii. 232.

Cortex winteranus. *Alst.* ii. 31.

Cortex winteranus spurius. *Carth.* iii. 267.

Winter's bark. *Chalm.* i. 137. 149. 181; ii. 115.

Canelle blanche. *Chom.* 548.

501. CRATAEVA.

Petals 4. *Calyx* quadrifid. *Berry* unilocular, polyspermous. *L.*

1. CRATAEVA *religiosa*. Folioles and petals lanceolato-elliptic, acute. From *Vahl. symb.* iii. 62. *Forst. G. esc.* 45; *austral. n.* 203.
C. inermis. L. zeyl. n. 211.
NIIRVALA. Rheede iii. 49. *t.* 22.
Pomifera indica trifolia, fructu pruniformi caudato. Raii hist. 1644.
2. CRATAEVA *Tapia*. Folioles ovate, acuminate. Petals ovato-subrotund; obtuse. Germina globular. *Vahl. symb.* iii. 6. *L. sp.* 637.
Malus americana trifolia, fructu pomi aurantii instar colorato. Commel. J. hort. i. 129. *t.* 67. No fructifications. Separate berries.
Apioscorodon, sive arbor americana triphyllos, allii odore, poma ferens. Pluk. alm. 34; *phyt. t.* 137. *f.* 7. A leaf and 2 seeds.
Tapia arborea triphylla. Plum. gen. 22. *t.* 21.
TAPIA. Marcgr. 98, repr. in *Pis. bras.* 69.
Tapia brasiliensibus. Raii hist. 1662.

502. BARTRAMIA.

- Petals* 5. *Calyx* pentaphyllous. *Nectaria* 5, glandular. *Capsule* octolocular sexlocular and trilocular, dividing into several parts; cells monospermous. *Obs.* 8738. The account of the fruit from Swartz & Gaertn.
1. BARTRAMIA *crispifolia*. Leaves subrotundo-ovate, sinuose and curled at the margin. *Obs.* 8740. Specimen of leaves gathered in Fothergill's garden.

Triumfetta Bartramia. *L. sp.* 638. *Burm. N. ind.* 110.

Triumfetta Bartramia orientalis. *L. mant.* 391.

Agrimonia maderaspatana, folio rotundo singulari subtus incano. *Pet. gaz.* 51. *t.* 32. *f.* 10.

LAPPAGO amboinica laciniata. *Rumph. vi.* 59. *t.* 25. *f.* 2.

2. BARTRAMIA *rhombifolia*.—Leaves rhomboidal, the upper lanceolato-ovate. *Swartz?*

Triumfetta *rhombifolia*. *Swartz. ind. occid.* ii. 863?

Triumfetta *rhomboidea*. *Jacq. am.* 147. *t.* 90; 8vo, 185?

LAPPAGO *latifolia*, seu serrata. *Rumph. vi.* 59. *t.* 25. *f.* 4, a leaf.

503. PEGANUM.

Petals 5. *Calyx* pentaphyllous and none. *Capsule* trilocular, trivalve, polyspermous. *L.*

1. PEGANUM *Harmala*. Leaves multifid. Stem herbaceous. *L. a Willd.* ii. 856; *sp.* 638. *Hort. kew.* ii. 126.

Harmala. *Boerh.* i. 261. *Clus. hisp.* 425, repr. in *hist.* ii. 135, *Dod.* 121, and *Ger. by Johns.* 1255, & cop. in

Ruta sylvestris syriaca, sive *Harmala*. *Park. theatr.* 134, &

Ruta quae dici solet Harmala. *Bauh. J.* iii. a. 200, & abr. in

Ruta sylvestris, flore magno albo. *Hist. ox.* ii. s. 5. *t.* 14. *f.* 5. *Raii hist.* 876.

Harmala syriaca. *Lob. adv.* 390. No fig.

RTA sylvestris. *Dale* 234. *Mill. Jos.* 381.

504. PORTULACA.

Petals 5. *Calyx* bifid. *Capsule* unilocular, cut round and trivalve. *L.*

1. PORTULACA *oleracea.* Leaves cuneiform. Flowers sessile. *L. sp.* 638. *Hort. kew.* ii. 127.

α angustifolia. (Variation.) Leaves narrower. *From authors.*

P. oleracea. *Poll. n.* 449. *Roth germ.* i. 202. On walls and rocks, and in cultivated ground.—*Scop. carn. n.* 564. *Host* 255.

P. foliis cuneiformibus, floribus sessilibus. *Roy.* 473. *Browne* 233. In gardens and cane pieces throughout all the sugar colonies.—*Cult.* 447. In corn fields in New England.—*Gron. virg.* 73.

P. angustifolia, sive sylvestris. *Vaill. paris.* 163. *Boerh.* i. 220. In Holland.—*Magn. monsp.* 212. In olive grounds, fallow fields, and gardens.—*Sloane cat.* 87. In Jamaica, in sandy barren fields, and sometimes in such as are moist.

P. sativa et sylvestris. *Park. theatr.* 723, *cop. from*

P. sylvestris. *Dod.* 650, *which repr. in Lob. obs.* 210; *ic.* i. 388, and *Ger. by Johns.* 521. *Raii hist.* 1039; *eur.* 208. In Sicily, Italy, the south of France, and Germany.—*Dalech.* 551. *Matth.* 475. *Fuchs.* 117. *c.* 39, *cop. in*

P. sylvestris minor, sive spontanea. *Bauh. J.* iii. 678.

Native of Sicily, Italy, France, Holland, Germany, and America.

PORTULACA sylvestris. Dale 235. *Geoffr. suite ii*, 66.

Portulaca. Schoepf 73. *Spielm.* 64.

P. angustifolia, sive sylvestris. Alst. ii, 368. *Boeckl. ap. Herm.* 415.

P. oleracea. Bry. 87.

Purslaine. Graing. 40.

β *latifolia.* (Variation.) Leaves broader than those of α. *From authors.*

P. latifolia sativa. Boerh. i. 220. In Holland,—*Magn. hort.* 163. *Raii hist.* 1039.

P. latifolia, seu sativa. Sloane cat. 87. In Jamaica, in rich moist land, especially when in cultivation.

Portulaca. Park, *par.* 499. t. 501. f. 1. Leaves not broader than in most of the figures of α.—*Trag.* 382, repr. in

P. sativa. Cord. fol. 156. p. 2. Dalech. 551, cop. from

P. hortensis. Fuchs. 117. c. 39.

P. sativa. Park. theatr. 722. No fig.—Dod. 650, repr. in

P. domestica. Lob. obs, 210; ic. i. 388; and Ger. by Johns. 521. Matth. 474.

P. hortensis latifolia. Bauh. J. iii. 678. (The fig. *Menianthes trifoliata*.)

PORTULACA. Alst. ii. 368. Berg. 382. Carth. i. 334. Dale 235. Krock. n. 713. Linn. 143. Mead mon. ii. 121. Mill. Jos. 357. Murr. iii. 354. Pears. R. i. 51. Quar. anim. 101. Rutt. 409. Schrod. 654. Spielm. 64. Vog. 76.

P. sativa. Geoffr. suite ii. 64.

P. oleracea. *Bry.* 87. *Forsk.* p. xciii. *Lour.* i. 359.

P. latifolia, sive *sativa*. *Chom.* 803; *suppl.* 210. *Herm.* 410.

✓ *flavescens*. (Variation.) Leaves yellowish. *From memory*, &

P. sativa latifolia, foliis flavis. *Boerh.* i. 220. *Magn. hort.* 163.

PORTULACA sativa latifolia flavescens, sive foliis aureis. *Boeckl. ap. Herm.* 415.

2. *PORTULACA pilosa*. Leaves subulate, alternate. Axillae pilose. Flowers sessile, terminal. *L. sp.* 639. *Hort. kew.* ii. 127.

P. curassavica, angusto longo lucidoque folio, procumbens. *Commel. J. hort.* i. 9. t. 5.

P. corassavica lanuginosa procumbens. *Herm. par.* 215. t. 215.

P. lanuginosa procumbens, vermiculatae foliis, americana, capsulis in summo nonnihil acuminatis. *Pluk. alm.* 304; *phyt. t.* 247. f. 7. *Volk.* 341. t. 341.

ANACAMPSEROS supina minor, foliis linearibus turgidis, floribus summis ramulis confertis, stylo quinquefido. *Browne* 234.

3. *PORTULACA quadrifida*. Bracteae in fours. Corollae quadrifid. Joints of the stem pilose. *L. mant.* 73. *Jacq. coll.* ii. 356. From the isle of Bourbon.

PORTULACA linifolia. *Forsk.* 92; p. xciii. *Portulaca*. *Forsk.* p. xcix.

4. *PORTULACA lutea*. *Forst. G. esc.* 72; *austral.* n. 520.

PURSLAIN. *Hawk*. iv. 148.

505. LYTHRUM.

Calyx duodecimfid. *Petals* 6, inserted into the calyx. *Capsule* bilocular, polyspermous. *L*.

1. LYTHRUM *Salicaria*. Leaves mostly opposite, cordato-lanceolate. Flowers spicate. Stamina 12 and 10. *Obs*. 1455. On the side of water.—*L. suec.* n. 422; *sp.* 640. *Bot. arr.* 489. *Curt. lond.* iii. 28. *t. Fl. dan.* t. 671. *Smith brit.* 510; *engl. t.* 1061.

L. foliis oblongis acutis, floribus verticillatis. L. lapp. n. 197.

Salicaria vulgaris purpurea, foliis oblongis. Tourn. paris. 227. *Vaill. paris.* 175. *Dill. ap. Raii syn.* 367.

Lysimachia purpurea spicata. Ger. by Johns. 476, *cop. in Park. theatr.* 546. *Raii hist.* 1036; *cat. ed. i.* 203.

Lysimachia purpurea. Raii syn. ed. ii. 211.

Lysimachia purpurea, quibusdam spicata. Bauh. J. ii. 904, (misprinted 902.)

Lysimachia altera. Matth. 950.

SALICARIA. Pharm. austriaco-prov. 63. *suec. —Berg.* 384. *Dale* 240. *Geoffr. suite ii.* 313. *Linn.* 143. *Quar. anim.* 92. 159. 220. *Vog.* 116.

L. Salicaria. Ploucq. bibl. i. 350.

Lysimachia purpurea. Krock. n. 714. *Lew. disp. by Murr.* iii. 510. *Ploucq. bibl. i.* 422.

Lysimachia spicata. Rutt. 297.

Lysimachia purpurea spicata. Mill. Jos. 279.

Lysimachia vulgaris, flore purpureo. *Haen* i. 226. 357.

Lysimachia rubra. *Bang in act. haun.* i. 100.

506 PEMPHIS.

Calyx duodecimfid. *Petals* 6, inserted into the calyx. *Stamina* inserted into the calyx, in 2 rows. *Capsule* unilocular, cut round near the base, polyspermous. *From Forst. J. & G. & Juss.* 331.

1. PEMPHIS *acidula*. *Forst. J. & G.* 68. t. 34.

Lythrum Pemphis. *L. fil. suppl.* 249. *Forst. G. austral.* n. 205.

MANGIUM porcellanicum. *Rumph.* iii. 126. t. 84.

507. KLINHOVIA.

Calyx pentaphyllous. *Petals* 5. *Nectarium* campanulate, quinquedentate, growing to the pedicle of the germen. *Stamina* inserted into the nectarium. *Germen* pedicellate. *Capsule* quinquelocular, quinquangular, inflated; cells monospermous. *From L. & L. a Willd.*

1. KLINHOVIA *Hospita*. *L. sp.* 1365.

CATTI-MARUS. *Rumph.* iii. 177. t. 113.

DIGYNIA.

508. AGRIMONIA.

Calyx inferior, hypocrateriform; tube contracted at the mouth; limb quinquepartite. *Petals* 5, inserted into the calyx. *Seeds* 2 and 1, inclosed by the calyx. *Obs.* 3351, and from *L.—Juss.* 336. *Vent. tabl. t. 21. f. 1.*

1. AGRIMONIA *Eupatoria*. Calyx hispid. Petals twice as long as the segments of the calyx. Folioles oblongo-elliptic. Spikes pedunculate. *Obs.* 3351, on the sides of fields; and from *Hort. kew.* ii. 129. *L. suec. n.* 423; *sp.* 643. *Bot. arr.* 490. *Curt. lond. v.* 32. *t.* 317. *Smith brit.* 511; *engl. t.* 1335. *Woodv. iv.* 124. *t.* 258. *Mill. J. ill. t. Fl. dan. t.* 588.

Eupatorium. *Cam. epit.* 756. *Fuchs.* 246. *c.* 92, *cop. in*

A. seu Eupatorium. *Bauh. J.* ii. 398. *p.*

A. sive Eupatorium. *Dod.* 28, *cop. in*

A. vulgaris. *Park. theatr.* 594, & repr. *in*

Agrimonia. *Ger. by Johns.* 712. *Raii syn.* 202.

Bracteae 2, rhombic, tridentate, at the base of the calyx. *Obs.* 3351.

AGRIMONIA. *Pharm. austriaco-prov.* 16.—

Alst. ii. 76. *Berg.* 386. *Carth.* iv. 212. *Dale*

112. *Geoffr.* iii. 46. *Herm.* 498. *Krock. n.* 718.

Lew. i. 42; *disp. by Dunc.* 328. *Linn.* 143.

Mill. Jos. 20. *Murr.* iii. 147. *Quar. febr.* 290.

319, 320, 368, 369, 410, 412; *anim.* 56, 59, 84,

88. 233. *Rutty* 11. *Schoepf* 74. *Schrod.* 528.
Spiclm. 374. *Vog.* 49.

A. seu Eupatorium. *Chom.* 480; *suppl.* 143.

A. sive Eupatorium graecorum. *Cam. hort.* 7.

2. *AGRIMONIA odorata*. Calyx hispid. Cauline leaves pinnate; folioles oblong, the lower minute. Petals twice as long as the segments of the calyx. *From Hort. kew.* ii. 130.—*Mill. Ph. dict. n.* 3; *ic.* 10. *t.* 15. *Lob. adv.* 308. Woods near Saintes in France. *Cam. hort.* 7. *Park. theatr.* 594. No fig.

TRIGYNIA.

509. RESEDA.

Calyx partite. *Petals* mostly cloven. *Nectarium* glandular, between the filaments and the upper petal and petals. *Capsule* unilocular, polyspermous, open. *Obs.* 3775. 3752. *L.*

1. *Leaves entire.*

1. *RESEDA tinctoria*. Leaves lineari-lanceolate, glabrous. Calyces quadripartite. Petals 4. Stigmata 3. *Obs.* 3774. On a wall.
R. Luteola. *L.*—*Bot. arr.* 492. *Smith engl. t.* 320; *brit.* 512. *Fl. dan. t.* 864.
R. foliis ellipticis obtuse lanceolatis undulatis, calycibus quadrifidis. *Hall. hist. n.* 1058.
Lutum herba. *Dod.* 81, *repr. in*

Luteola. *Ger. by Johns.* 494. *Raii syn.* 366.

Lutea Plinii quibusdam. *Bauh. J.* iii. 465.

Antirrhinon. *Trag.* 362.

Pseudostruthium. *Cam. epit.* 356. *Matth.* 1307.

Petals cuneiform, inserted at the fissures of the calyx, the uppermost the largest; claw of the uppermost turbinate, concave, with the upper margin projecting inwards transversely, those of the rest linear; lamina of the uppermost septemfid quinquefid and quadrifid, that of the rest tripartite. *Obs.* 3774.

LUTEOLA. *Berg.* 388. *Mill. Jos.* 277.

Struthium. *Dale* 240.

Flos tinctorius. *Geoffr. suite* iii. 202.

2. *Leaves entire and divided.*

2. *RESEDA lutea.* Leaves pinnatifid. Laminae of the larger petals tripartite, & the upper margin of the claws rising above the base of the laminae. Styles

3. Seeds glabrous. *Obs.* 3752. Specimen gathered in Surry, on chalk.—*L.—Bot. arr.* 493. *Smith engl. t.* 321; *brit.* 513. *Krock. n.* 720. *Jacq. austr. t.* 353. *Bauh. J.* iii. 467.

R. hexapetala, foliis pinnatis undulatis, calyce sexfido. *Hall. hist. n.* 1056.

R. massiliensis, foliis latioribus crispis. *Pluk. alm.* 317; *phyt. t.* 55. f. 4.

R. gallica crispa. *Bocc. sic.* 77. t. 41. f. 3.

Rheseda Plinii neotericorum. *Lob. adv.* 76, repr. in *ic.* i. 222, &

Rheseda Plinii. *Ger. by Johns.* 277; & *abr. in* Base Dyersweed. *Pët. herb. t.* 37. f. 11.

R. vulgaris. *Raii syn.* 366. *Tourn. paris.* 137. *Vaill. paris.* 172.

Peduncle and *pedicles* scabrous. *Calyx* scabrous, sexpartite; segments linear, obtuse. *Petals* 6, very unequal, the 2 larger one third longer than the calyx; claws quadrato-oval, obsoletely acuminate at the end, slightly villose at the margin; laminae of a finer texture than the claws, lineate, those of the 2 upper tripartite, lateral segments dolabriform, one third shorter than the claws, intermediate segment linear narrower and as short again as the lateral ones; laminae of the 2 lateral petals tripartite and bipartite, one and 2 segments dolabriform, the rest linear; laminae of the 2 lowermost petals tripartite, linear. *Seeds* glabrous, glittering, ovate, with a nick in one of the margins. *Obs.* 3752.

RESEDA. Dale 239. *Geoffr. suite ii.* 209.

510. EUPHORBIA.

Petals 4 and 5, inserted into the calyx. *Calyx* monophyllous, ventricose. *Capsule* trilocular. *L.*

1. *Fruticose, aculeate.* *L.*

1. *EUPHORBIA antiquorum.* Mostly leafless, trigonous, articulated. Branches patent. *L. sp.* 646. *Hort. kew.* ii. 133.

Euphorbium antiquorum verum. *Commel. J. hort.* i. 23. t. 12.

Tithymalus aizoides triangularis et quadrangularis articulatus et spinosus, ramis compressis. *Commel. Casp. prael.* 55. t. 5.

Euphorbium verum antiquorum; Schadida-Calli. *Raii hist.* 873. *Boerh. i.* 259.

ESULA indica. *Bont.* 153. *Dale* 214. *Raii hist.* 873.

Schadida-Calli. *Rheede* ii. 81. t. 42.

G. 2. *EUPHORBIA officinarum.* Aculeate, naked, multangular. Aculei in pairs. *L. sp.* 647. *Hort. kew.* ii. 134. *Mill. Ph. dict. n.* 4.

E. aculeata triangularis subnuda articulata, ramis patentibus. *L. ups.* 138. *Roy.* 194.

Euphorbium cerei effigie, caulibus crassioribus, spinis validioribus armatum. *Commel. J. hort.* i. 21. t. 11, the plant from near Zale. No fructifications.—*Breyn. prodr.* 62. *Boerh.* i. 258. *Seb.* i. 29. t. 19. f. 2. In flower.

Tithymalus mauritanicus aphyllus angulosus et spinosus, ex quo Euphorbium officinarum. *Herm. hort.* 599. From Barbary.

Euphorbium vulgo sed falso creditum. *Raii hist.* 872.

Euphorbium. *Dod.* 374, repr. in *Lob. obs.* 642, & *Ger. by Johns.* 1178, cop. in *Dalech.* 1691, repr. in

Euphorbii tenella planta. *Lob. ic.* ii. 25, & cop. in *Stap.* 1057.

EUPHORBIVM. *Pharm. austriaco-prov.* 37. *suec.*—*Alst.* ii. 430. *Berg.* 388. *Carth.* ii. 297. *Chom.* 77. 144. *Dale* 213. n. 1. *Fordyce, G. fev.* iv. 115. *Geoffr.* ii. 627. *Herm.* 680. *Lew.* i. 420; *disp. by Dunc.* 341. *Linn.* 144. *Mead mon.* ii. 98. *Mill. Jos.* 193. *Monro* ii. 383. *Murr.* iv. 88. *Neum.* ii. 31. *Ploucq. bibl.* 35. 315. *Rutty* 187. *Schrod.* 780. *Spielm.* 482. *Vog.* 324. *Willis in ph. tr. abr. by Hutt.* xi. 476. *Wintr. in Mead mon.* ii. 200.

E. officinalis. *Murr. J.* i. 345.

L'euphorbe. *Pom.* i. 268. (t. seems to be *E. canariensis* with racemi of some species of *Aloes* added.)

3. *EUPHORBIA edulis.* Stem aculeate, leafy, pentagonal. Peduncles multiflorous, terminal. Flowers without petals. *From Lour.* i. 365.

4. *EUPHORBIA neriifolia.* Stem aculeate; angles obliquely tuberculate. Leaves spatulate. *Obs.* 6852. In Mr. Sitwell's garden.—*L.—Hort. kew.* ii. 134. *Mill. Ph. dict. n.* 5.

Euphorbium afrum spinosum, foliis latioribus non spinosis. *Seb.* i. 18. *t.* 9. *f.* 1. No fructifications.

Tithymalus aizoides arborescens spinosus, caudice angulari, nerii folio. *Commel. Casp. prael.* 22. 56. *t.* 6. No fructifications.

Tithymalus indicus spinosus, nerii folio. *Commel. J. hort.* i. 25. *t.* 13.

Leaves on the upper part of the stem, smooth, glabrous, with a minute cuspis at the end, lactescent; juice white, exuding copiously when the leaves are separated from the stem, and a small quantity appearing at the costa when broken transversely at the end of a fortnight. *Obs.* 6852.

LIGULARIA. *Rumph.* iv. 88. *t.* 40.

Ela-Calli. *Rheede* ii. 83. *t.* 43. *Raii hist.* 1888.

5. *EUPHORBIA Tirucalli.* Unarmed, half bare of leaves, fruticose, filiform, erect. Branches patulous, crowded in a determinate manner. *L. sp.* 649. *Hort. kew.* ii. 137. *Lour.* i. 366.

Ossifraga lactea. *Rumph.* vii. 62. *t.* 29.

Tithymalus indicus frutescens. *Commel. J. hort.*
i. 27. t. 14. Fructifications none.

Tithymalus arborescens, caule aphylo. *Pluk. phyt.*
t. 319. f. 6. No fructifications.

Tithymalus indicus frutescens. *Boerh. i.* 257.

TIRU-CALLI. *Rheede ii.* 85. t. 44. *Raii hist.*
1710.

6. *EUPHORBIA Tithymaloides.* Unarmed, fruticose.
Leaves distichous, alternate, ovate. *L. sp.* 649.
Hort: kew. ii. 137.

Tithymalus corassavicus myrtifolius, flore coccineo
mellifluo. *Herm. par.* 234. t. 234, cop. in

Tithymalus curassavicus myrtifolius, flore papilion-
aceo coccineo parvo. *Pluk. alm.* 369; *phyt. t.*
230. f. 2. *Commel. J. hort.* i. 31. t. 16. No fruc-
tifications.

EUPHORBIA Tithymaloides. *Chisholm* 25.
Jacq. amer. 149. t. 92; 8vo, 188.

7. *EUPHORBIA hypericifolia.* Dichotomous. Leaves
serrate, ovali-oblong, glabrous. Corymbi termi-
nal. Branches divaricate. *L. sp.* 650. *Hort.*
kew. ii. 138. *Swartz. obs.* 194.

Tithymalus americanus, (misprinted africanus,) seu
Peplis major brasiliensis, flosculis albis. *Commel.*
Casp. prael. 60.

Tithymalus americanus, flosculis albis. *Commel.*
Casp. prael. t. 10.

Peplis major brasiliensis, flosculis albis. *Raii hist.*
870.

(*Cajatia. Pis. bras.* 102, has only axillary peduncles.)

TITHYMALUS erectus acris, parietariae foliis
glabris, floribus ad caulium nodos conglomeratis.
Sloane cat. 82; *hist. i.* 197. t. 126.

8. *EUPHORBIA maculata*. Dichotomous. Leaves serrate, oblong, pilose. Flowers axillary, solitary. Branches patulous. *L. sp.* 652. *Hort. kew.* ii. 139. *Jacq. hort.* ii. t. 186. Leaves oblongo-linear. Flowers aggregate, sessile.

Tithymalus sive Chamaesyce altera virginiana, foliis crenatis et macula fusca eleganter notatis. Pluk. alm. 372; *phyt. t.* 65. f. 8.

EUPHORBIA maculata. Schoepf 74.

9. *EUPHORBIA hirta*. Dichotomous. Leaves serrate at the margin, ovate, acuminate. Peduncles capitate, axillary. Stems pilose. *L. sp.* 651. *Jacq. coll. suppl.* 160. t. 11. f. 1.

Tithymalus botryoides zeylanicus, cauliculis villosis. Burm. J. zeyl. 223. t. 104.

EUPHORBIA reclinata minor sub hirsuta, foliis serratis oppositis, florum fasciculis oppositis. Browne 234.

Esula esculenta. Rumph. vi. 54. t. 23. f. 2.

10. *EUPHORBIA hyssopifolia*. Dichotomous. Leaves mostly crenate, linear. Flowers fasciculate, terminal. Stem erect. *L. sp.* 651. *Hort. kew.* ii. 139.

EUPHORBIA dichotoma erecta tenuis, foliis linearibus, floribus quasi umbellatis terminalibus. Browne 235.

11. *EUPHORBIA portulacoides*. Dichotomous. Leaves entire at the margin, oval, retuse. Peduncles axillary, uniflorous, as long as the leaves. Stem erect. *L. sp.* 653.—*Schoepf* 75.

12. *EUPHORBIA thymifolia*. Dichotomous. Leaves oblong and oval, mostly serrate. Flowering branches very short. Stems procumbent. *Obs.* 8734. Specimen gathered by Broughton in Jamaica.—*Obs.* 8736. Specimen from Dr. Wright.—*L. sp.* 651.

β *pubescens*. Stems pubescent. *Obs.* 8737. Specimen gathered by Broughton in Jamaica.

Tithymalus humilis ramosissimus hirsutus, foliis thymi serratis. *Burm. J. zeyl.* 225. t. 105. f. 3.
EUPHORBIA thymifolia. *Forsk.* 94.

13. *EUPHORBIA canescens*. Dichotomous. Leaves obsoletely crenate, roundish, pilose. Flowers solitary, axillary. Stems procumbent. *From L. sp.* 652. *Host* 259. In Littorali, on the sides of roads, and in vineyards and gardens.—*Jacq. coll. suppl.* 115. t. 2. f. 3. From Malaga. Flowers pedunculate.

E. dichotoma, foliis crenulatis subrotundis, floribus solitariis axillaribus, caulibus procumbentibus.
All. nic. 31. *B.*

Tithymalus exiguus villosus, nummulariae folio.
Magn. hort. 197.

Chamaesyce villosa major, cauliculis viridibus. *Tourn. hort.* 122.

Chamaesyce. *Bauh. J.* iii. 667.

EUPHORBIA canescens. *L. a Reich.* ii. 442;
a Willd. ii. 898. *Schreb. ap. Linn.* 230, note.

14. *EUPHORBIA Chamaesyce*. Dichotomous. Leaves roundish, glabrous; margin crenate. Flowers solitary, axillary. Stems procumbent. *L. sp.* 652. *Hort. kew.* ii. 139. *Gouan hort.* 231. In corn

fields and gardens; *monsp.* 174. *Roth germ.* i. 204. In Swabia, on the authority of J. F. Gmelin.

E. foliis subrotundis obtusis, floribus solitariis in foliorum alis. *Guett.* ii. 420.

E. dichotoma, foliis crenulatis subrotundis, floribus solitariis axillaribus, caulibus procumbentibus. *All. nic.* 31. *A.*

Tithymalus exiguus procumbens, Chamaesyce dictus. *Boerh.* i. 257. In Holland.

Chamaesyce. *Raii hist.* 869. In Sicily, Italy, and the south of France.—*Lob. adv.* 154, *repr. in ic.* i. 363. *Clus. hisp.* 441, *repr. in hist.* ii. 187, *Dod.* 373, and *Ger. by Johns.* 504, and *cop. in Park. theatr.* 195. *Dalech.* 1660. (*Bauh. J.* iii. 667, is *E. canescens.*)

CHAMAESYCE. *Dale* 212. *Magn.* *monsp.* 62.

15. **EUPHORBIA** *Ipecacuanha*. Dichotomous. Leaves entire at the margin, lanceolate. Peduncles axillary, uniflorous, as long as the leaves. Stem erect. *L. sp.* 653.

E. inermis, foliis oppositis, pedunculis unifloris solitariis longissimis. *Gron. virg.* 74.

EUPHORBIA *Ipecacuanhae.* *Bart.* 26. *Schoepf* 74.

Ipecacuanha canadensis. *Murr.* i. 523.

Tithymalus flore minimo herbaceo. *Clayt. in ph. tr. abr. by Hutt.* viii. 331.

16. **EUPHORBIA** *Peplus*. Umbel with 3 branches; branches dichotomous above. Involucella ovate. Leaves entire at the margin, obovate, petiolate. *L. suec. n.* 426; *sp.* 653. *Curt. lond.* i. 35. *t.*

Walc. t. Bot. arr. 495. *Smith brit.* 514; *engl. t.* 959. *Krock. n.* 723.

Tithymalus parvus annuus, foliis subrotundis non crenatis, *Peplus dictus*. *Raii syn.* 313.

Tithymalus rotundis foliis non crenatis. *Tourn. paris.* 234. *Vaill. paris.* 193. *Boerh. i.* 256. In Holland.

Peplos, seu *Esula rotunda*. *Fuchs.* 578. c. 230. (The fig. is *E. falcata*.) *Bauh. J.* iii. 669. (The fig. is *E. falcata*.)

Peplus. *Cord. fol.* 106. p. 1. (The fig. cop. from *Fuch.* is *E. falcata*.) *Dalech.* 1658. *Cam. epit.* 969. *Dod.* 371, repr. in ed. ii. 375,

Peplus, sive *Esula rotunda*. *Lob. obs.* 197; *ic. i.* 362, and *Ger. by Johns.* 503, & cop. in

Esula rotunda, sive *Peplus*. *Park. theatr.* 194.

PEPLUS. *Dale* 212. *Rutty* 520.

E. Peplus. *Coste & Willem. in med. comment.* v. 298. n. 7. *Murr.* iv. 98.

17. **EUPHORBIA exigua.** Umbel with 3, 4, and 5 branches; branches dichotomous upwards. Petals 4, oval, with 2 horns from below the base. Involucella ovato-ensiform. Cauline leaves linear. *Obs.* 4986. In a corn field.—*L. sp.* 654. *Gouan hort.* 232. About Montpelier.—*Krock. n.* 725. *Poll. n.* 457. *Host* 260. *Roth germ.* ii: 525. *Jacq. vind.* 82. *Asso n.* 412.

Tithymalus angustifolius saxatilis. *Magn. monsp.* 259.

EUPHORBIA exigua. *Coste & Willem. in med. comment.* v. 298. n. 8. *Murr.* iv. 98.

Native of France, Germany, Holland, Denmark, and Britain.

α *acutifolia*. (Variation.) Cauline leaves acute. *Obs.* 4986.

E. exigua acuta. *L.* sp. 654. *Bot. arr.* 495. *Relh.* n. 351. *Huds.* 208. *Sibth. ox.* n. 439. *Smith brit.* 515; *engl. t.* 1336. *Fl. dan. t.* 592. *Curt. lond.* iv. 36. *t.* 245.

E. inermis, foliis alternis linearibus acutis, umbella universali trifida, partialibus dichotomis diphyllis. *L. ups.* 143.

Tithymalus sive Esula exigua. *Tourn. paris.* 44. *Vaill. paris.* 193.

Tithymalus exiguus saxatilis. *Tourn. paris.* 367. *Magn. monsp. t.* 258, inner fig.—*Vaill. paris.* 193.

Tithymalus exiguus erectus. *Boerh. i.* 257. In Holland.

Tithymalus minimus. *Tub. ic.* 505.

Esula exigua. *Trag.* 296, *cop. in*

Esula minima. *Dalech.* 1656.

Esula exigua Tragi. *Lob. ic. i.* 357, *repr. in Ger. by Johns.* 503, & *cop. in*

Tithymalus minimus angustifolius annuus. *Bauh. J. iii.* 664, &

Tithymalus leptophyllos. *Park. theatr.* 193. *Raii hist.* 868; *syn.* 313. *Cam. epit.* 966.

Peplis minor. *Dalech.* 1659.

Involucella oblique at the base. *Petals* transversely oval, honeycoloured; horns patent, attenuate, of the same colour as the petals, nearly as long as the petals, inserted into the outside of the calyx. *Capsule* obsoletely tuberculate. *Obs.* 4986.

β *obtusifolia*. (Variation.) Cauline leaves truncate, cuspidate. *Obs.* 8703. In corn fields near Chesterfield, α growing with it.

E. exigua retusa. *L. sp.* 654 β . *Gouan hort.* 232 β . Near Montpellier.—*Roth germ.* ii. 525 β . *Krock. n.* 725 β .

Tithimalus exiguus saxatilis. *Magn. monsp. t.* 258, outer fig.

Tithymalus sive Esula exigua, foliis obtusis. *Raii hist.* 868. *Bauh. J.* iii. 664. No fig.—*Tourn. paris.* 368. *Vaill. paris.* 193.

Seeds ovate, tuberculate, grey. *Obs.* 8700. In Leicestershire.

Native of Italy, Germany, France, Leicestershire, and Derbyshire.

18. **EUPHORBIA** *Lathyris.* Umbel with 4 branches. Leaves opposite; margin entire. *L. sp.* 655. *Hort. kew.* ii. 140. *Gouan hort.* 232. At Vigan near Montpellier.—*Roth germ.* i. 205.

Tithymalus Lathyris. *Scop. carn. n.* 571.

Tithymalus latifolius, Cataputia dictus. *Vaill. paris.* 193. Annual.—*Boerh.* i. 255. Annual and biennial.

Lathyris major. *Raii hist.* 866.

Lathyris. *Matth.* 1259. *Cam. epit.* 968. *Fuchs.* 446. c. 174, cop. in

Lathyris, sive Cataputia minor. *Bauh. J.* iii. 880, and *Trag.* 291. *Lob. obs.* 197, repr. in *Ger. by Johns.* 503, &

Cataputia minor. *Lob. ic.* i. 363, cop. in

Lathyris major vulgaris, sive Cataputia minor. *Park. theatr.* 191, &

Lathyris. *Dalech.* 1657, and repr. in *Dod.* 371.

Native of Italy and France, but probably only naturalised in Germany.

LATHYRIS. *Alst.* i. 442. n. 3. *Geoffr. suite* iii. 207. *Plin.* 677. *lin.* 1. l. 27. c. 11.

Cataputia minor. *Berg.* 390. *Dale* 210. *Herm.* 343. *Krock.* n. 726. *Linn.* 144. *Mill. Jos.* 123. *Murr.* iv. 100. *Rutty* 108. *Schrod.* 759. *Spielm.* 480. *Vog.* 174.

Tithymalus latifolius, *Cataputia dictus.* *Chom.* 24; *suppl.* 12.

19. *EUPHORBIA Apios.* Umbel with 4 branches; branches biramose. Primary involucella obcordate, the others reniform. *L. a Murr.* 451; *sp.* 656. *Hort. kew.* ii. 140.

Tithymalus tuberosa pyriformi radice. *Boerh.* i. 256.

Tithymalus tuberosa radice. *Clus. hist.* ii. 190, *repr. in*

Tithymalus tuberosus. *Dod.* 369, *cop. in Dalech.* 1651, *repr. in*

Apios vera. *Lob. ic.* i. 364, & *Ger. by Johns.* 504, *abr. in*

Apios, seu *Tithymalus tuberosus.* *Park. theatr.* 195, & *repr. in*

APIOs. *Lob. obs.* 198. *Raii hist.* 870. *Bauh. J.* iii. 666, *cop. from Dalech.* 1595.—*Dale* 212.

20. *EUPHORBIA dulcis.* Umbel with 5 branches; branches bifid. Involucra oblongo-lanceolate, serrate at the margin. Involucella ovate, mostly serrate at the margin. Leaves spatulate, mostly obsoletely serrate at the margin towards the end. Capsules verrucose, pilose. *Obs.* 8742. Specimen from M. Hertel.—*L. a Willd.* ii. 909; *sp.* 656. *Hort. kew.* ii. 141. *Roth germ.* i. 205; ii. 527.

Jacq. austr. iii. 8. t. 213. Petals roundish, blackish purple.

Tithymalus dulcis. *Scop. carn. n.* 573.

Tithymalus non acris. *Tourn. paris.* 557. *Vaill. paris.* 192.

Tithymalus non acris, flore rubro. *Bauh. J.* iii. 673. No fig.—*Raii hist.* 870. On the mountains about Geneva; *eur.* 250.

Pityusa, sive *Esula minor altera*, floribus rubris. *Lob. obs.* 193, repr. in *ic.* i. 358, cop. in *Dalech.* 1654, repr. in

Esula minor, seu *Pityusa.* *Ger. by Johns.* 502, & cop. in

Esula minor altera, purpureis floribus. *Park. theatr.* 192.

Esula dulcis. *Trag.* 298, cop. in *Dalech.* 1656.

Leaves, the lower rounded at the end, the upper rather acute. *Obs.* 8742.

EUPHORBIA dulcis. *Coste & Willem. in med. comment.* v. 298. n. 9. *Murr.* iv. 98.

21. *EUPHORBIA helioscopia.* Umbels with 5 branches; branches triramose, dichotomous upwards. Involucella and leaves obovate, serrate. *Obs.* 4985. In a corn field.—*L. sp.* 658. *Bot. arr.* 497. *Walc. t.* *Curt. lond.* i. 36. t. *Smith brit.* 516; *engl. t.* 883. *Fl. dan. t.* 725.

Tithymalus subrotundis foliis majoribus crenatis. *Boerh.* i. 256.

Tithymalus helioscopius. *Raii syn.* 313. *Cam. epit.* 963. *Matth.* 1253. *Dod.* 367, repr. in *Ger. by Johns.* 498, & cop. in *Park. theatr.* 189, and *Dalech.* 1648. *Fuchs.* 770. c. 314, cop. in

Tithymalus helioscopius, sive solisequus. *Bauh. J.*
iii. 669.

Tithymalus helioscopius Matthioli. *Dalech.* 1644.
Serratures of the leaves not expressed.
Petals oval. *Obs.* 4985.

EUPHORBIA helioscopia. *Coste and Willem.*
in med. comment. v. 298. n. 6. *Krock. n.* 730.

Tithymalus helioscopius. *Rutty* 519.

Tithymalus. *Dale* 211.

Esula. *Berg.* 390. *Murr.* iv. 102.

22. *EUPHORBIA verrucosa.* Umbel with 5 branches;
branches mostly triramose; subdivisions biramose.
Involucella ovate. Leaves lanceolate, villose;
margin serrate. Capsules verrucose. *L. sp.* 658.

E. inermis, foliis linearibus, umbella univ ersali tri-
fida triphylla, partialibus trifidis, propriis dichotomis
diphyllis, foliolis subrotundis. *Guett. i.*
263. *Dalib.* 154.

Tithymalus myrsinites, fructu verrucae simili. *Hist.*
ox. s. 10. *t.* 3. *f.* 3. *Vaill. paris.* 192.

Tithymalus verrucosus. *Dalech.* 1650.

EUPHORBIA verrucosa. *Murr.* iv. 105.

Tithymalus myrsinites fructu verrucae simili. *Dale*
211.

23. *EUPHORBIA Paralias.* Umbel with 5 and 6
branches; branches dichotomous. Involucella cor-
dato-reniform. Leaves lanceolate, involute at the
margin, imbricate, when cultivated patulous.
Obs. 4987. Specimen gathered by Mr. Boraston
at Teignmouth in Devonshire.—*L. sp.* 657. *Bot.*
arr. 496. *Gort. belg. foed. n.* 411. *Guett. ii.*
419. *Turn. & Sower. in linn. tr.* v. 237. On Port-

land island.—*Jacq. hort. t.* 188. As cultivated. (*Roth germ.* i. 205, growing at Tübingen; ii. 527, with a multiramose umbel and glabrous capsules is probably a different species.)

E. paralia. *Smith engl.* 195; *brit.* 516.

Tithymalus paralius ex locis maritimis. *Dod.* 366, *cop. in*

Tithymalus paralius Dodonaei et Penae. *Dalech.* 1647, & *repr. in*

Tithymalus paralius. *Ger. by Johns.* 498. *Matth.* 1252. No fructifications.—*Park. theatr.* 184. *Lob. ic.* i. 354, *cop. in Bauh. J.* iii. 674, *repr. from*

Tithymalus paralius ex hortis. *Dod.* 366, *and cop. in*

Tithymalus paralius Dodonaei ex hist. purgant. *Dalech.* 1647.

Tithymalus paralius Matthioli. *Dalech.* 1643. *Tab. ic.* 593.

Tithymalus maritimus. *Magn. monsp.* 255.

Tithymalus paralius. *Cam. epit.* 962.

(*Tithymalus paralius.* *Scop. carn. n.* 581, growing on the sides of roads, with a multifid umbel and glabrous capsules is probably a different species.)

Petals 4, crescent-shaped; anterior margin with 4 and 5 teeth. *Obs.* 7964. Specimen gathered by Mr. Gisborne near Tenby Pembrokeshire.—*Root* perennial. *Stem* 15 inches long. *Capsules* slightly tuberculate. *Obs.* 7963. Specimen gathered by Mr. Watt on the shores of Cornwall.

Native of the shores of France, Holland, Suffolk, Dorsetshire, Devonshire, Cornwall, and Pembrokeshire.

TITHYMALUS paralius. Dale 211.

T. paralius. Lew. ii. 437.

T. maritimus. Rully 518.

24. *EUPHORBIA sylvatica.* Umbel with 5 branches; branches biramose. Involucella perfoliate, subcordate, rather acute. Leaves lanceolate, entire at the margin. *L. sp.* 663; *mant.* 395. *Gou. hort.* 234. About Montpellier.

TITHYMALUS lunato flore. Raii *hist.* 871; *eur.* 250. *Col. ecphr.* ii. 56. *t.* 57, *cop. in*

T. sylvaticus, lunato flore. *Hist. ox. s.* 10. *t.* 1. row 1. *f.* 3.

25. *EUPHORBIA corollata.* Umbel with 5 branches; branches triramose; smaller branches dichotomous. Involucella and leaves oblong, obtuse. Petals membranaceous. *L. sp.* 658? *Michaux* ii. 210?
E. inermis, foliis lanceolatis obtusis alternis, ramis floriferis dichotomis, petalis maximis subrotundis.
Gron. virg. 74?

Tithymalus marianus, angustis rigidis foliis, summo caule ramosus, foliis atque ramulis ad divaricationes ternis. *Pluk. mant.* 182; *phyt. t.* 446. *f.* 3.
Umbel triramose.

TITHYMALUS flore albo. *Clayt. in ph. tr. abr.* by *Hutt.* viii. 331.

26. *EUPHORBIA hiberna.* Umbel with 6 branches; branches dichotomous. Involucella oval. Leaves entire at the margin. Branches none. Capsules verrucose. *L. sp.* 662. *Huds.* 210. Between Feversham and Sittingbourn in Kent.—*Smith engl. t.* 1337; *brit.* 520. *Krock. n.* 738.

Tithymalus hibernicus, vasculis muricatis erectis.

Dill. hort. 387. *t.* 290. *f.* 374. From the mountainous parts of the province of Munster in Ireland.

Tithymalus hibernicus, Mackenboy dictus. *Raii hist.* 1888. In Ireland. From a dried specimen.

(*Tithymalus latifolius hispanicus*. *Bauh. Casp. pin.* 291. *Tab. ic.* 589, and *Park. theatr.* 188, cop. from

Tithymalus platyphyllos III. *Clus. hist.* 438, found in Valentia; which repr. in

Platyphyllum hispanicum. *Lob. obs.* 196; *ic.* i. 361,

Tithymalus platyphyllos. — *Clus. hist.* ii. 190, *Dod.* 368, and *Ger. by Johns.* 500, and cop. in *Dalech.* 1649, has cordate acuminate involucella.—*Raii hist.* 870.)

TITHYMALUS hibernicus. *How* 121. *Merr.* 118. *Raii syn.* 312;—*hist.* iii. 666.

27. *EUPHORBIA palustris*. Umbel with many branches; primary branches mostly triramose; secondary branches biramose. Involucella ovate. Leaves lanceolate. Branches of the stem barren. *L. suec. n.* 427; *sp.* 662. *Hort. kew.* ii. 145. *Poll. n.* 462, *Roth germ.* i. 207; ii. 534. *Rupp. ab Hull.* 272. *Jacq. misc.* ii. 314. *Willd. ber.* n. 520. *Host* 266. *Krock. n.* 737. *Fl. dan. t.* 866. In the south of Norway.

Tithymalus palustris fruticosus. *Tourn. paris.* 368. 537. *Vaill. paris.* 192. *Boerh.* i. 256. In Holland.

Tithymalus magnus multicaulis, sive *Esula major*. *Bauh. J.* iii. 671. No fig.—*Raii hist.* 864, where marked as a native of Britain on the authority of

Lobel;—*eur.* 251. About Geneva and in Lyonnais between Lyons and Geneva.

Ezula major. *Dod.* 370, *repr. in ed. ii.* 374. *cop. in*

Esula major. *Dalech.* 1653, &

Tithymalus palustris fruticosus. *Hist. ox. s.* 10. *t.*

2. row 3. *f.* 1, & *repr. in*

Esula major germanica. *Ger. by Johns.* 501. *Lob.*

adv. 151, *repr. in ic. i.* 358, & *cop. in Park. theatr.*

188, & *Dalech.* 1654.

Native of France, Switzerland, Holland, Germany, and Sweden,

EUPHORBIA palustris. *Coste & Willem. in med. comment.* v. 298. *n.* 11.

Esula. *Pharm. suec.—Linn.* 145. *Vog.* 238.

Esula major. *Alst. i.* 442. *n.* 2. *Dale* 210. *Geoffr.*

sulte iii. 205. *Herm.* 132. *Mill. Jos.* 191. *Murr.*

iv. 105.

28. *EUPHORBIA Cyparissias.* Umbel with many branches; branches dichotomous. Involucra mostly linear. Involucella cordate. Petals crescent-shaped and semioval. Leaves linear, those of the branches twice as narrow as those of the stem. *Obs.* 8229. Specimen gathered in Champagne.—*L. sp.* 661; *mant.* 394. *Hort. kew.* ii. 145. *Roth germ.* ii. 532. *Gort. belg. foed. n.* 415. *Gouan hort.* 234. Near Montpellier.—*Jacq. austr. t.* 435. *Smith engl. t.* 480.

Tithymalus pineus. *Raii eur.* 250.

Tithymalus cupressinus, sive Humipinus. *Lob. ic. i.* 356, *repr. in*

Tithymalus cupressinus. *Ger by Johns.* 499, *imit. in*

Tithymalus Cyparissias repens. *Hist. ox. s.* 10. *t.* 2. row 1, *f.* 29, *repr. in*

Tithymalus Cyparissias. *Lob. obs.* 192, and *Dod.* 367, and *cop. in Dalech.* 1648. *Scop. carn. n.* 582. *Raii hist.* 867. *Tourn. paris.* 152. *Vaill. paris.* 193. *Matth.* 1254, *cop. in Dalech.* 1644. *Cam. epit.* 964. *Fuchs.* 812, *fol. ed. cop. in* 771, c. 314, *abr. in Bauh. J.* iii. 663, & *imit. in*

Τιθυμαλὸς κυπαρισσίας. *Trag.* 297, & *cop. in* *Pityusa*, sive *Esula minor*. *Dalech.* 1654.

Calyx, segments pubescent at the margin. *Petals* semioval, transverse. *Germen* obsoletely tuberculate, glabrous. *Obs.* 8229.—*Petals* in the barren flowers crescentshaped, in the fertile flowers semioval. *Obs.* 8759.

EUPHORBIA Cyparissias. *Coste & Willem. in med. comment.* v. 298. n. 9. 10.

Esula minor. *Geoffr.* iii. 444. *Krock. n.* 734. *Murr.* iv. 103.

Tithymalus Cyparissias. *Chom.* 24; *suppl.* 12. *Dale* 211. *Lew.* ii. 438. *Rutty* 519.

Tithymalus. *Klebe*, account from *in chir. rev.* vii. 63, & *med. rev.* ii. 199.

Tithymalus cupressinus I. *Tab. ic.* 594.

29. *EUPHORBIA Esula*. Umbels with many branches; branches bifid. Involucra oblongo-lanceolate. Involucella cordate. Petals crescentshaped. Leaves oblongo-lanceolate. *Obs.* 8746. Specimen gathered in Fothergill's garden.—*L. sp.* 660; *mant.* 394; a *Murr.* 453. *Smith engl. t.* 1399.

E. inermis, foliis lanceolato-linearibus, involucri universalis foliolis quinis ovato-acutis, partialis semi-orbiculatis. *L. ups.* 141.

Esula minor. *Dod.* 370, *repr. in*

Pityusa, sive Pinea officinarum. *Lob. obs.* 192,
Tithymalus Pinea. *Lob. ic.* i. 357, & *cop. in Park.*
theatr. 192, &

Esula minor. *Dalech.* 1653, & *repr. in*
Tithymalus pineus. *Ger. by Johns.* 499.

Tithymalus cupressinus II. *Tab. ic.* 505.

EUPHORBIA Esula. *Coste & Willem. in med.*
comment. v. 298. n. 5. *Murr.* iv. 99.

Esula. *Alst.* i. 442. *Krock.* n. 735. *Schrod.* 765.

Esula major. *Geoffr.* iii. 449.

Esula minor. *Dale* 210. *Herm.* 133. *Mill. Jos.*
192.

30. **EUPHORBIA** *gerardiana*. Umbel with many
branches; branches dichotomous. Involucra ovali-
lanceolate. Involucella cordate, acute. Petals
oval. Leaves lanceolate. *Obs.* 8745. Specimen
gathered in Champagne.—*Jacq. ap. L. a Murr.*
454; *austr. t.* 436. Involucella represented as
rounded.—*Host* 265.

E. Esula. *Poll.* n. 460.

Tithymalus umbella multifida bifida, involucellis tri-
angulari-cordatis, foliis superioribus latioribus. *Ger.*
Lud. 540.

Tithymalus amygdaloides angustifolius. *Tab. ic.*
591. *Vaill. paris.* 192.

Tithymalus Myrsinites III angustifolius. *Tab. ic.*
592.

Tithymallus linifolius. *Cam. hort.* 170. On the
banks of the Maine.

Tithymalo cyparissiae similis, Pithyusa multis. *Bauh.*
J. iii. 665. No fig. In Savoy, and near Stras-
burgh Basle and Montpellier.—*Raii hist.* 867.

Alypum. *Cam. epit.* 985, the stem without fructi-
fications, and the fruit, *cop. in*

Alypum Matthioli, *tithymalis* affine. *Bauh. J.* iii. 676. (The plant in flower *cop. from*

Alypum. Matth. 1280, is *E. spinosa*.)

TITHYMALUS amygdaloides angustifolius. Chom. 24; *suppl.* 12. *Dalc* 211.

Tithymalus amygdaloides. Geoffr. suite iii. 209.

51. *EUPHORBIA amygdaloides*. Umbels with from 5 to many branches; branches dichotomous. Involucella perfoliate, orbicular, bifid on each side. Petals crescentshaped. Germen glabrous. *Obs.* 7487. On Needwood forest in Staffordshire between Tutbury and Yoxal lodge, plentifully, in flower and fruit. 8 July.—*Obs.* 4988. Specimen gathered in woods near Worcester, in flower.—*L. sp.* 662; *mant.* 394. *Bot. arr.* 499. *Smith engl. t.* 256, just come into flower; *brit.* 520. *Krock. n.* 739.

E. Characias. Walc. t.

E. sylvatica. Poll. n. 463. *Jacq. austr. t.* 375.

E. inermis, foliis lanceolatis, umbella universali multifida, partialibus dichotomis, involucris semibifidis perfoliatis. *Guett. i.* 263.

Tithymalus sylvaticus. Scop. carn. n. 572, but the leaves described as serrulate at the end.

Tithymalus Characias amygdaloides. Raii hist. 863. In woods and thickets, in England, and on the continent of Europe; *syn.* 312. *Boerh. i.* 255.

Tithymalus sylvaticus, lunato flore. Tourn. paris. 155. *Vaill. paris.* 192.

Tithymalus sylvaticus toto anno folia retinens. *Bauh. J.* iii. 671. On the Euganean mountains in Lombardy, and near Basle, Geneva, and Montbeliard in Franche comte.

Characias anglicus et francus. *Lob. adv.* 152. No fig.

Stem from $1\frac{1}{2}$ to 2 feet 3 inches long, terete; the lower half woody, brownish red, glabrous, with the transverse cicatrices of fallen leaves; the upper half green, slightly villose, with lateral flowering branches from a little way above the lower half to the end. *Leaves* slightly villose, those of the lower half of the stem lanceolate, tapering downwards, in some plants acute, in others rather obtuse, those of the upper half of the stem successively lanceolato-oblong, oblong, oval, the uppermost emarginate. *Flowering branches* shorter than the stem, twice dichotomous. *Involucrum* quinquebracteate; bracteae obovate, emarginate, deflex. *Umbel* with 5 and 6 branches; branches twice dichotomous. *Involucella* at the first dichotomy an inch broad, with segments slightly incumbent reniform and emarginate; those of the 2nd dichotomy 7 tenths of an inch broad, with segments reniform not incumbent slightly emarginate with and without a very short acumen; those of the 3rd dichotomy 4 tenths of an inch broad, greenish yellow, not incumbent, with a very short acumen at the end. *Calyx* turbinate, nearly glabrous without, villose within, semiquinquefid; segments erect, obsoletely bifid. *Petals* 4, horizontal, fleshy, greenish yellow, in dried specimens sometimes brownish purple, inserted into the margin of the calyx between its segments; margin entire; lobes acute, pointing outwards. *Nectaria* numerous, brownish white, ramose, as long as the calyx; segments capillary, very fine. *Pistil* pedunculate; peduncle decurved, bent over the margin of the calyx, at the sinus into which no petal is inserted. *Germen* glabrous. *Capsule* stil green, tricocous,

glabrous, microscopically and obsoletely scabrous below. *Seeds* solitary, oval, black, with a white cordate gland at the upper end. *Obs.* 7487. 4988. Specimens in flower and fruit gathered in the woods to the east of Worcester.—*Floral leaves* oblongo-obovate. *Obs.* 6638. In the garden of Mr. S. Shore, who dug up the root on Needwood forest.

TITHYMALUS sylvaticus, *lunato flore.* *Dale* 211.

32. *EUPHORBIA Characias.* Umbels with many branches; branches dichotomous. Involucella perfoliate, oval. Leaves pubescent. Petals crescent-shaped. Germen villose. *Obs.* 6637. Specimen gathered in Fothergill's garden.—*Obs.* 7486. Specimen from Mr. Hunter's nursery.—*L. sp.* 663; *mant.* 394 β. *Jacq. coll.* i. 57; *ic.* 9. t. 89. *Gouan hort.* 234. Near Montpellier.—*Bot. arr.* 500, where in l. the last erase St.—*Smith engl. t.* 442, just come into flower, from a root found wild 2 years before, but where or by whom we are not informed either there, or in *brit.* 521, where it is said on the authority of Mr. Whately to grow in great plenty and undoubtedly wild in the forest of Needwood in Staffordshire, but what Mr. and Mrs. S. Shore and what I found there in great plenty was *E. amygdaloides*.

Tithymalus amygdaloides, sive *Characias.* *Bauh. J.* iii. 672, the 2 separate branches. (The entire plant *cop. from*

Tithymalus Characias. *Cam. epit.* 960, more resembles *E. sylvatica*.) About Montpellier.—*Raii hist.* 864. In Italy.

Characias. *Dalech.* 1642, *cop. from*

Tithymalus Characias. *Matth.* 1250. (*Park. theatr.* 186, middlemost fig. *cop. from*

Tithymalus Characias legitimus I. *Clus. hist.* 436, *which repr. in*

Tithymalus Characias I. *Clus. hist.* ii. 188,

Tithymalus Characias II. *Dod.* 364,

Characias monspeliensium. *Lob. obs.* 194, &

Tithymalus Characias monspeliensium. *Ger. by Johns.* 499. is probably *E. Characias* L. *mant.* 394 γ. *Raii syn.* 312, found by Plot on the paper mill pool dam in Heywood park in Staffordshire, where I searched for it in vain, is probably *E. amygdaloides*.)

Stem villose, the flowering part composed of the umbel and lateral branches cylindric & 5 inches long. *Leaves* lanceolate, revolute at the margin, the lower coriaceous, deflex. *Umbel* roundish; branches 14, villose. *Involucrum* deflex; bractee oblong, cuspidate. *Involucella* villose, thin, semibifid on each side; lobes reniformi-ovate, rounded with the costa terminated by a very short cuspis, sometimes emarginate. *Calyx* villose; segments semibifid. *Petals* 4, blackish purple, somewhat crescentshaped; the ends patent and rather obtuse. *Capsule* and its peduncle villose. *Obs.* 6637.

EUPHORBIA Characias. *Coste & Willem. in med. comment.* v. 298. n. 12. *Murr.* iv. 98.

Tithymalus Characias. *Dale* 211.

511. TACCA.

Calyx superior, hexaphyllous. *Petals* 6, inserted into the calyx, vaulted. *Stamina* in pairs, in-

serted into the petals. *Berry* dry, hexagonal, polyspermous. *From Forst. J. & G. Juss.* 56.

1. *TACCA pinnatifida*. Leaves ternate and biternate. *From Forst. G. esc.* 59; *austral. n.* 209; *J. & G.* 70. *L. fl. suppl.* 251. *Lour. i.* 368. *Gaertn. i.* 43. *t.* 14.

Leontice Leontopetaloides. L. sp. 448.

- α *sulcata*. Petiole sulcate. *From Forst. G. esc. n.* 28.

TACCA litorea. Rumph. v. 328. *t.* 114.

- β *latifolia*. (Variation.) Petiole sulcate. Segments of the leaves broader than those of α . *From T. phallifera. Rumph. v.* 326. *t.* 113. *f.* 1.

- γ *sativa*. (Variation.) Petiole smooth, spotted. *From G. Forst. &*

TACCA sativa. Rumph. v. 324. *t.* 112.

2. *TACCA palmata*. Leaves palmate. *From TACCA montana. Rumph. v.* 329. *t.* 115.

512. MENISPERMUM.

Calyx inferior, hexaphyllous. *Petals* 6. *Pistils* 2 to 6. *Berries* 2 to 6, monospermous. *From Juss.* 285, *Vent. tabl. t.* 14. *f.* 3, & *L.*

1. *MENISPERMUM edule*. Leaves oblong, glabrous. *Vahl. symb. i.* 80.

CEBATHA. Forsk. 171.

2. *MENISPERMUM peltatum*. Leaves peltate, oblong, acute, subcordate, veined, pubescent under-

neath. Panicles axillary, longer than the leaves.
L. a Willd. iv. 827, from authors.

Smilax foliis peltatis cordato-oblongis, floribus minutissimis et copiosissimis. *Burm. J. zeyl.* 218. t. 101.

Convolvuli instar volubilis e coromandel, umbilicatis foliis crassis acuminatis, villosa. *Pluk. phyt. t.* 24. f. 6. No fructifications.

PADA VALLI. *Rheede* vii. 93. t. 49.

3. **MENISPERMUM** *rufescens*.—Leaves orbiculato-ovate, acute, quinquenervose, reticulate, tomentose underneath. *Willd.* from authors.

Abuta rufescens. *Aubl.* i. 618. t. 250.

M. Abuta. *L. a Willd.* iv. 828.

Abuta scandens. *Barrere* 1.

PAREIRA BRAVA. Root. *Pharm. lond.*—*Alst.* i. 488. *Berg.* 815. *Carth.* iv. 111. *Dale* 113. 419. *Geoffr. in ac. sc. abr. by Southw.* iii. 266. *Helvetius in ph. tr. abr. by Jones* v. part i. 404. *Hill* 599. *Lew. disp. by Dunc.* 196. *Linn.* 261. *Monro* iii. 197. *Murr.* i. 344. *Neum.* ii. 155. *Ploucq. bibl.* i. 194. *Pom.* 69. t. 68. Root.—*Quarin anim.* 291. *Rutty* 378. *Spielm.* 223. *Vog.* 221.

Pareira. *Lew.* ii. 186.

Butua. *Geoffr.* ii. 21.

Pareyra brava. *Chom.* 261; suppl. 86.

4. **MENISPERMUM** *malabaricum*. Leaves cordate, ovate, acuminate, villose underneath. Racemi lateral. *L. a Willd.* iv. 826, from authors.

PEE AMERDU. *Rheede* vii. 37. t. 19. 20.

5. MENISPERMUM *crispum*. Leaves exactly cordate. Stem quadrangular, curled. *L. sp.* 1468, probably from

FUNIS QUADRANGULARIS. Rumph. v. 88. t. 44. f. 2. No appearance of the angles of the stem being curled.

6. MENISPERMUM *cordifolium*. Leaves orbiculato-cordate, acuminato-cuspidate, septemnervose, glabrous. Racemi longer than the leaves. *L. a Willd. iv. 826.*

CITAMERDU. Rheede vii. 39. t. 21.

7. MENISPERMUM *cocculiferum*.—Leaves orbiculato-cordate, rotundato-acuminate, obtuse, mucronate, pubescent underneath, quinquenervose. Corymbi shorter than the petioles. *Willd. from a dried specimen.*

M. Cocculus. L. a Willd. iv. 825; sp. 1468. Vent. tabl. t. 14. f. 3. E—K. Berries 3 together.

M. foliis cordatis retusis. Gron. orient. n. 123; cop. from L. mat. med. n. 175, apparently from Cocculus officinarum. Pluk. mant. 52; phyt. t. 345. fol. 52. pl. 2. with a racemus of reniform berries. Racemus axillary, simple.

Tuba baccifera. Rumph. v. 35. t. 22.

Arbor indica, cocculos officinarum ferens. Breyn. prodr. 45. A leaf gathered in some of the Dutch gardens.

Cocci orientales. Ger. by Johns. 1548, cop. in Tab. ic. 923, and Bauh. J. i. a. 348. Berries.

(*Folium lunatum minus. Rumph. v. 40. t. 25. f. 1.* referred to by Willd. is described as having berries scarcely so large as pepper. Leaves cordato-ovate, acute.

Arbor aristolochiae foliis, maderaspatana, fructu parvo medicae ad instar convoluto. *Pluk. alm.* 43; *phyt. t.* 13. *f.* 2, has solitary uniflorous peduncles opposite to the leaves.)

COCULUS INDICUS. *Pharm. suec.—Linn.* 259.

Cocculi indici. *Berg.* 805. *Ploucq. bibl.* i. 256. *Vog.* 271.

Cocculus indus. *Dale* 316. *Mill. Jos.* 143. *Murr.* i. 343. *Neum.* ii. 99. 257.

Cocculi. *Spielmann.* 480.

Cocculae. *Schrod. app.* 6.

8. **MENISPERMUM orbiculatum.** Leaves orbicular, villose underneath. *L. sp.* 1468.

Cocculi orientalis frutex convolvulaceus, orbiculatis foliis prona parte villosis. *Pluk. amalth.* 61; *phyt. t.* 384. *f.* 6. In fruit.

CATTU-VALLI. *Rheede xi.* 127. *t.* 62. Racemus terminal.

TETRA GYNIA.

513. DICHROA.

Calyx inferior, quadridentate. *Petals* 5, lanceolate. *Berry* quadrilocular, polyspermous. *From Lour.*

1. **DICHROA febrifuga.** Leaves lanceolate, opposite. Corymbi terminal. *Lour.* i. 369.

PENTAGYNIA.

514. GLINUS.

Calyx pentaphyllous. *Corolla* none. *Nectaria* 5, bifid and trifid. *Capsule* quinquelocular, quinquevalve, polyspermous. *From L.*

1. *GLINUS lotoides*. Leaves obovate. Stem herbaceous. *Obs.* 8741. Specimen gathered in the Paris garden.—*L. a Murr.* 455; *sp.* 663. *Loefl.* 145. In Spain.—*Forsk.* 96. *Burm. N. ind.* 112. *t.* 36. *f.* 1.

Alsine lotoides sicula. *Bocc. sic.* 21. *t.* 11.

Portulaca baetica, luteo flore, spuria aquatica. *Barrel. t.* 336.

GLINUS. *Forsk. p.* xcix.

HEXAGYNIA.

515. STRATIOTES.

Calyx superior, trifid. *Petals* 3. *Nectaria* many. *Styles* bipartite. *Berry* sexlocular and octolocular. *From Obs.* 7668, *L. a Schreb.* *Smith exot.* & *Roth germ.* i. 425. *L. Dill.*

Differs from *Hydrocharis* in the fruit being a berry and in stamina surrounded by nectaria.

1. STRATIOTES *aculeatus*. Spathae 2. Leaves ensiform, aculeate. *Obs.* 7668. Specimen gathered by Mr. W. Skrimshire junior at Outwell near Wisbeach.

S. Aloides. *L. succ. n.* 479; *sp.* 754. *Bot. arrang.* 564. *Smith engl. t.* 379; *brit.* 579. *Fl. dan. t.* 337.

S. foliis aloes, semine longo. *Dill. ap. Raii syn.* 290.

Stratiotes. *L. lapp. n.* 222. *Vent. tabl. iv. t.* 6. *f.* 1.

Aloides. *Boerh. ii.* 132. In Holland.

Militaris aizoides: *Raii hist.* 1324; *syn. ed. ii.* 281.

Lob. ic. i. 375, repr. in *Ger. by Johus.* 825, &

Sedi aquatilis icon cum floribus. *Dod.* 578, *cop. in*

Aloe, sive Aizoon palustre. *Bauh. J. iii.* 786,

S. aquaticus belgicus. *Stap.* 436, &

S. sive militaris aizoides. *Park. theatr.* 1249, and repr. in *Lob. obs.* 204; *adv.* 334. No fig.

S. aquaticus. *Dalech.* 1061.

Sedum aquatile, sive S. potamios. *Dod.* 578.

Leaves from 6 to 12 inches long, from 4 to 7 tenths of an inch broad. *Scapi* 6 inches long, with 1 flower, two-edged, the edge below the larger bractea aculeate. *Bracteae* 2, ovate, opposite, embracing, erect, the ends slightly bowed in, the larger aculeate along the costa. *Peduncle* 4 times shorter than the bracteae. *Flower* projecting beyond the bracteae. *Calyx* infundibuliform; limb tripartite; segments oblong. *Obs.* 7668. A female plant.—*Scapus* with several flowers, one of which expanded. *Calyx* infundibuliform, with reddish dots; tube $1\frac{1}{4}$ inch long, cylindric. *Corolla* with reddish dots. *Nectaria* subulate, shorter than the stamina. *Obs.* 5421. A male plant. Specimen from Prof. Moench.

ALOIDES. Dale 198.

2. STRATIOTES *quinqueulatus*. Spatha 1, with 5 wings. From

S. alismoides. *Smith exot.* i. t. 15, (the stamina style and fruit belonging to a var. with narrower ovate leaves,) *L. sp.* 754; *mant.* 405, *Forsk.* 101,

Damasonium indicum. *Roxb.* ii. 45. t. 185, &

OTTEL-AMBEL. *Rheede* xi. 95. t. 46.

3. STRATIOTES *acoroïdes*. Leaves ensiform, flat, glabrous. Spatha bearded at the end. *L. fil. suppl.* 268.

ACORUS marinus. *Rumph.* vi. 191. t. 75. f. 2.

D O D E C A G Y N I A.

516. SEMPERVIVUM.

Calyx duodecimpartite. *Petals* 12. *Capsules* 12, polyspermous. *L.*

1. SEMPERVIVUM *tectorum*. Leaves ciliate, those of the shoots patulous. Stamina and pistils 12. Nectaria cuneiform, carunculate. *Hort. kew.* ii. 148. *L. succ. n.* 428; *sp.* 664. *Curt. lond.* iii. 29. t. 160. *Fl. dan.* t. 601. On roofs of turf.—*Mill. J. ill. t.* *Huds.* 211. *Smith brit.* 522; *engl.* t. 1320. *Bot. arr.* 502.

Sedum majus vulgare. *Raii hist.* 687; *syn. ed.* ii. 151, on roofs and walls; *eur.* 232, on the summits

- of Mount Jura and the alps of Savoy and Switzerland.—*Tourn. paris.* 533. *Vaill. paris.* 182.
Boerh. i. 286. *Bauh. J.* iii. 687, cop. from
Sedum majus, *Fuchs.* 33. c. 10. *Cam. epit.* 854.
Dill. ap. Raii syn. 269. *Ger. by Johns.* 510,
 repr. from
S. majus alterum, sive *Jovis barba*. *Dod.* 127,
 which cop. in
Sedum majus vulgare. *Park. theatr.* 731, and repr.
 in
Aeizoon. *Lob. obs.* 202, &
S. majus. *Lob. ic.* i. 373, outer fig.—Inner fig. re-
 pr. from
Cotyledon altera I. *Clus. hist.* ii. 63, which cop. in
Sedum vulgari magno simile. *Bauh. J.* iii. 688.
Sedum. *Trag.* 376.
SEMPERVIVUM. *Berg.* 392. *Geoffr. suite* iii.
 11. *Ploucq, bibl.* i. 71.
Sedum majus. *Pharm. austriaco-prov.* 66.—*Dale*
 174. *Lew. disp. by Dunc.* 347. *Linn.* 145. *Mill.*
Jos. 406. *Murr.* iii. 350. *Rutty* 478. *Vog.* 83.
Sedum. *Boerh.* 368. *Lew.* ii. 359. *Schrod.* 680.
Spielm. 580.
Sedum majus vulgare. *Chom.* 805; *suppl.* 211.
Houseleek. *Lind hot clim.* 313.

Class 12.

ICOSANDRIA.

Order 1.

MONOGYNIA.

1. *Flowers monopetalous.*

517. CACTUS. *Berry* unilocular, polyspermous. *Corolla* multipartite.
Obs. 2953.

2. *Flowers tetrapetalous.*

522. CARYOPHYLLUS. *Berry* monospermous. *Calyx* quadripartite.

3. *Flowers pentapetalous, inferior.*

532. ORYGIA. *Capsule* unilocular, trivalve, polyspermous. *From L. a Gmel.*
528. TOUROLIA. *Berry* bilocular; cells monospermous. *From L. a Willd.*
525. PRUNUS. *Drupe.* *Nut* smooth and foraminose. *Calyx* quinquefid.
Obs. 6467.

526. CHRYSOBALANUS. *Drupe. Nut sulcate. Calyx quinquefid. L.*
 527. PLINIA. *Drupe sulcate. Nut globular, Calyx quinquepartite.*

4. *Flowers pentapetalous, superior.*

518. LEPTOSPERMUM. *Capsule quadrilocular and quinquelocular. Calyx pentaphyllous. Stigma orbicular. Obs. 6975.*
 521. PSIDIUM. *Berry quadrilocular and quinquelocular, polyspermous. Calyx quadrifid and quinquefid. Petals 4 and 5. Stigma simple. Seeds in a pulp.*
 523. MYRTUS. *Berry bilocular and trilocular, Calyx quinquefid. Obs. 7183.*
 524. PUNICA. *Berry multilocular. Obs. 5373.*

5. *Flowers hexapetalous, inferior.*

529. LAGERSTROMIA. *Capsule sexlocular quinquelocular and trilocular.*
 530. SONNERATIA. *Berry multilocular.*

6. *Flowers polypetalous.*

531. ONCOBA. *Berry unilocular, polyspermous. From Forsk.*

7. *Flowers with an operculum.*

520. EUCALYPTUS. *Capsule quadrilocular, polyspermous.*

519. CALYPTRANTHES. *Berry unilocular.*

Order 2.

T R I G Y N I A.

533. SESUVIUM. *Calyx inferior. Corolla none.
Capsule trilocular, cut
round.*

Order 3.

P E N T A G Y N I A.

1. *Flowers pentapetalous.*

534. MESPILUS. *Berry pentaspermous.*

535. PYRUS. *Pomum quinquelocular.*

2. *Flowers polypetalous.*

537. MESEMBRYANTHES. *Petals in several rows.
Styles 5, 4, and 10. Cap-
sule with as many cells as
styles; cells polyspermous.*

3. *Flowers incomplete.*

536. TETRAGONIA. *Corolla* none. *Drupe* monospermous. *Nut* with from 3 to 8 cells.

Order. 4.

P O L Y G Y N I A.

539. ROSA. *Seeds* contained within the berrylike tube of the calyx.
 Obs. 8162.
540. RUBUS. *Berry* compound.
538. SPIRAEA. *Capsules* bivalve.
542. TORMENTILLA. *Seeds* without aristae. *Petals* 4 and 5. *Calyx* octofid and decemfid. *Obs.* 5866.
543. GEUM. *Seeds* aristate. *Petals* 5. *Calyx* decemfid.
544. DRYAS. *Seeds* aristate. *Calyx* octopartite; segments equal. *Petals* 5 to 8. *Obs.* 7994.
541. FRAGARIA. *Seeds* placed on a fleshy receptacle. *Calyx* decemfid.

MONOGYNIA.

517. CACTUS.

Corolla superior, multipartite; segments incumbent, the inner gradually longer. *Stamina* inserted into the corolla. *Berry* unilocular, polyspermous. *Obs.* 2953. 2960. *L.*

Corolla caducous, analogous in structure to that of monadelphous stamina.

1. *Stem roundish.* From *L.*

1. CACTUS *Melocactus*. Stem roundish, with from 10 to 18 angles. From *L. sp.* 666, *Hort. kew.* ii. 150, & *Swartz. obs.* 198.

Melocactus indiae occidentalis. *Boerh.* ii. 83.

Echinomelocactus. *Bradl.* iv. 9. *t.* 32. *Sloane cat.* 198. *Lob. adv.* 376, repr. in *ic.* ii. 24, cop. in *Bauh. J.* iii. a. 93, &

Melocarduus echinatus. *Dalech.* 1442. *Raii hist.* 1467. *Ger. by Johns.* 1177, repr. from

Echinomelocactus. *Clus. exot.* 92, which cop. in *Melocarduus americanus.* *Park. theatr.* 1627. No fructifications.

CACTUS *humilis subrotundus sulcatus et coronatus, spinis confertis.* *Browne* 238.

2. *Stem angular, erect.* From *L.*

2. CACTUS *Pitajaya.* Stem triangular. From *L. a Murr.* 459.—*Jacq. amer.* 151; 8vo, 190.

3. *CACTUS repandus*. Stem long, octangular; angles compressed, waved. Spines longer than the wool. From *L. sp.* 667. *Hort. kew.* ii. 151.

Cereus altissimus gracilior, fructu extus luteo intus niveo seminibus nigris pleno. *Sloane cat.* 197; *hist.* ii. 158. *Trew sel. t.* 14.

CACTUS erectus cylindraceus sulcatus tenuior, summitate attenuatus, aculeis confertis. *Browne* 238.

4. *CACTUS peruvianus*. Stem long, mostly octangular; angles obtuse. From *L. sp.* 667. *Hort. kew.* ii. 152.

Cereus peruvianus. *Trew in phil. tr. abr. by Reid and Gray* vi. part ii. 236; & by *Hutt.* vii. 441.

Cereus erectus, fructu rubro non spinoso. *Boerh.* i. 293.

Cereus crassissimus, fructu intus et extus rubro. *Sloane cat.* 196.

Cereus. *Lob. adv.* 453, repr. in

Euphorbii arbor cerei effigie, sive *Cereus peruvianus vulgi*. *Lob. ic.* ii. 25, &

Cereus peruvianus spinosus. *Ger. by Johns.* 1179, & cop. in

Cereus spinosus. *Dalech.* 1829,

Cereus spinosus americanus. *Park. theatr.* 1628, & *Euphorbii adulta planta*. *Stap.* 1057.

CACTUS cylindraceus erectus sulcatus major summitate obtusus, aculeis confertis. *Browne* 238.

3. *Branches pendulous*. From Swartz.

5. *CACTUS pendulus*. Branches verticillate, terete, glabrous. *Obs.* 3507. In a garden.—Swartz. *prodr.* 77; *ind. occid.* 876. *H. K.* ii. 153; iii. 503.

Rhipsalis Cassutha. Gaertn. i. 137. t. 28.

Cassyta baccifera. Sol. ap. Mill. J. ill. i. t. 29.

CACTUS parasiticus inermis aphyllus ramosus pro-
pendens, ramulis gracilibus teretibus striatis.
Browne 238.

A. Stem creeping, with lateral radicles. From L.

6. *CACTUS flagelliformis.* With 10 angles. *L. sp.*
668. *H. K.* ii. 153. *Curt. mag.* t. 17.

Cereus minimus scandens polygonus spinosissimus,
flore purpureo. Ehret t. 2. 4, cop. in

Cereus teres multangularis spinosus articulatus ra-
mosus serpens, flore purpurascente noctu diuque
aperto, fructu exiguo rubente. Trew sel. 6. t. 30,

Cereus minima serpens americana. Sloane cat. 197.

Ficoides americanum, sive Cereus minima serpens
americana. Pluk. alm. 148; *phyt.* t. 158. f. 6.
No fructifications.

Corolla, all the segments pink. Obs. 2960. In
Mr. Zachary's garden.

CACTUS cylindraceus sulcatus pusillus repens, acu-
leis setaceis confertis. *Browne* 238.

7. *CACTUS triangularis.* Creeping, triangular. *L.*
sp. 669. *Hort. kew.* ii. 153.

α ebracteatus. Fruit without bracteae. *From*

C. triangularis aphyllus. Jacq. amer. 152. α; 8vo,
191.

C. triangularis scandens articulatus. *L. ups.* 121.

C. debilis brachiatus aequalis triquetrus scandens vel
repens, spinis brevissimis confertis. *Browne* 238.

Cereus scandens minor trigonus articulatus, fructu
suavissimo. Boerh. i. 293.

Cercus americanus triangularis radicosus. *Brudl. i.*
4. t. 3. No fructifications.

Ficus indica folio triangulari ensiformi profunde canaliculato stellatim aculeato. *Raii hist.* 1466, under n. 5. *Sloane cat.* 196.

Ficoides americanum, sive Cercus erectus cristatus, foliis triangularibus profunde canaliculatis. *Pluk. alm.* 147. t. 29. f. 3. No fructifications.

Palmacea aut arundinacea pinnata spinosa. *Lob. adv.* 452, repr. in

Arundinacea pinnata et spinosa exotica planta. *Lob. ic. i.* 54, &

Calamus peruvianus spinosus Lobelii. *Ger. by Johns.* 1179, & cop. in

Planta pinnata spinosa. *Park. theatr.* 1629, inner plant; &

Nerii facie arbor. *Dalech.* 1831. (The descr. belongs to another plant.)

CACTUS triangularis. *Bry.* 183.

β *bracteatus.* Fruit with bractcae. *From*

Melocactus trigonus alius repens, fructu coccineo ex insula Sanctae crucis. *Plum. ic.* 193. t. 200. f. 2.

CACTUS triangularis foliosus. *Jacq. amer.* 152. β t. 181. f. 65, fruit; *8vo*, 191.

5. *Stem compressed; internodia proliferous.*

8. *CACTUS Opuntia.* Stem pliant; internodia ovate. Spines setaceous. *L. sp.* 669. *H. K. ii.* 153.

C. compressus articulatus ramosissimus, articulis ovatis, fructu majore. *Gron. virg.* 54.

C. brachiatus et articulatus, articulis ovalis compressis, aculeis longissimis confertis. *Browne* 237.

Opuntia vulgaris. *Mill. Ph. dict. n. 1.* Spines short.

Opuntia folio minore rotundiori et compressiori.
Mill. Ph. ic. 127. t. 191.

Ficus indica. *Dod. 801. Lob. ic. ii. 241, repr. in*
Ger. by Johns. 1512, & repr. from

Tune ficifera indorum. *Lob. adv. 453, which cop.*
in

Ficus indica spinosa major. *Park. theatr. 1497, &*
abr. in

Opuntia vulgo herbariorum. *Bauh. J. i. 154. Bo-*
erh. ii. 82.

Ficus indica, a greater kind. *Park. par. 433. No*
fig.

Ficus indica, sive Opuntia. *Dalech. 1795.*

Ficus indicæ fructus. *Dod. 801, repr. in Ger. by*
Johns. 1512, & cop. in

Fici indici fructus. *Park. theatr. 1493. f. 3.*

Ficus indica major. *Raii hist. 1464.*

Stem, internodia oval, with tufts of spines disposed
in quincunx order. Spines setaceous, yellowish
brown, nearly one tenth of an inch long. Flowers
solitary, sessile. Corolla longer than the germen,
full yellow. Germen obconic, green. Style fusi-
form, strawcoloured, as long as the germen. Stigma
sexfid. Obs. 6677. In Mr. S. Shore's garden. 10
July.

OPUNTIA. *Dale 292. Garden in ph. tr. abr.*
by Hutt. xi. 137. Murr. iii. 343. Schoepf 76.

C. Opuntia. *Bry. 181.*

Prickly Pear. *Cleg. 283. 301. Edwards west. ind.*
i. 201.

9. *CACTUS Ficus.*—Internodia of the stem ovato-ob-
long. Spines setaceous. *L.*

C. *Ficus indica*. *L. sp.* 669. *Hort. kew.* ii. 153.
Thunb. jap. 198.

C. *compressus articulatus ramosus*, articulis ovato-oblongis, spinis setaceis. *L. ups.* 120. *Roy.* 280.

Opuntia maxima, folio spinoso latissimo et longissimo. *Boerh.* ii. 82.

CACTUS Ficus indica. *Thunb. trav.* iv. 90.

10. *CACTUS Tuna*. Internodia of the stem ovato-oblong. Spines subulate. *L. sp.* 669. *Hort. kew.* ii. 154.

Tuna major, spinis validis flavicantibus, flore gilvo. *Dill. hort.* 396. *t.* 295. *f.* 378. (*f.* 379, with tessellate internodia is β *L. cliff.*)

Opuntia major, validissimis spinis munita. *Boerh.* ii. 82.

CACTUS brachiatus et articulatus, articulis oblongo-ovatis compressis, caudice tereti erecto ferocissimo, aculeis brachiorum brevibus confertis. *Browne* 237.

Opuntia major, folio oblongo rotundo, spinis longissimis et validissimis confertim nascentibus obsito, flore luteo. *Sloane cat.* 193; *hist.* ii. 149. *t.* 224. *f.* 1. Fruit.

11. *CACTUS coccinellifer*. Internodia of the stem ovato-oblong, scarcely spinose. *L. sp.* 670. *Hort. kew.* ii. 154.

Tuna mitior, flore sanguineo, cochinillifera. *Dill. hort.* 399. *t.* 297. *f.* 383. Internodia with tessellate lines, obsoletely spinose.

Opuntia maxima, folio oblongo rotundo majore, spinulis obtusis mollibus et innocentibus obsito, flore

striis rubris variegatò. *Sloane cat.* 194. Introduced into Jamaica from the continent of America; —*hist.* ii. 152.

Ficus indica major laevis sive spinosa, vermiculos proferens. *Pluk. alm.* 146; *phyt. t.* 281. f. 2.

CACTUS brachiatus et articulatus subinermis major, articulis oblongis et leniter compressis. *Browne* 237.

12. *CACTUS Pereskia*. Stem terete, arboreous. Aculei in pairs recurvate. Leaves lanceolato-ovate. *L. sp.* 671. *Hort. kew.* ii. 155.

Pereskia aculeata, flore albo, fructu flavescente. *Dill. hort.* 305. t. 227. f. 294.

Malus americana spinosa, portulacae folio, fructu folioso, semiue reniformi splendente. *Commel. J. hort.* i. 135. t. 70. No fructifications.

Portulaca americana latifolia ad foliorum ortum lanugine obducta, longioribus aculeis horrida. *Pluk. alm.* 135; *phyt. t.* 215. f. 6. No fructifications.

Grossulariae fructu majore arbor spinosa, fructu folioso e viridi albicante. *Sloane cat.* 165; *hist.* ii. 86.

CACTUS sarmentosus foliatus et spinosus, spinis geminatis recurvis, foliis mollibus ovatis. *Browne* 237.

518. LEPTOSPERMUM.

Calyx superior, pentaphyllous. *Petals* 5. *Stigma* orbicular. *Capsule* with 5 and 4 cells. *Seeds* not winged. *Obs.* 6975, *Smith in lin. tr.* iii. 260. *Forst. J. & G.*

Closely allied to *Philadelphus*.

1. *Stamina shorter than the corolla.*

1. *LEPTOSPERMUM scoparium*. Leaves lanceolate and elliptic, mucronate, obsoletely trinervose. Calyces glabrous, deciduous. *Obs.* 7022. In Mr. Philips's garden.—*Smith in lin. tr.* iii. 262. *Forst. J. & G.* 72. (misprinted 48) n. 6. t. 36. f to l. Parts of fructification.

Philadelphus scoparius linifolius. *Hort. kew.* ii. 156.

Leaves, upper surface smooth with 3 and sometimes 5 ribs; ribs sometimes not discernible; lower surface dotted; margin microscopically crenate; costa and sometimes the lateral ribs sericeous. *Capsules* terminal and lateral, roundish, depressed, with 5 cells and 5 valves; dissepiment inserted into the side of the valves. *Seeds* terete, attenuate, flexuose, and curvate, rufous. *Obs.* 6976. In Mr. Sitwell's garden, in fruit.—*Leaves*, upper surface glabrous, with 3 and 5 ribs; under surface sericeous at the base and along the middle. *Bracteae*, the outer sericeous. *Calyx*, phylla semiovate, obtuse, whitish, membranaceous, with a few greenish dots. *Petals* 5, alternating with the phylla, obovato-subrotund, white. *Filaments* united at the very base, forming a ring round the margin of the germen. *Germen* turbinate, glabrous, the margin surrounded by the calyx, corolla and stamina. *Style* shorter than the stamina. *Stigma* orbicular, green, the margin somewhat angular, permanent. *Capsules* permanent. *Obs.* 7022. *MELALEUCA scoparia*. *L. fil. suppl.* 343. *Forst. G. austral.* n. 210;—*esc.* 78.

2. *LEPTOSPERMUM lanigerum*. Leaves obovato-oblong and lineari-lanceolate, mucronate, triner-vose. Branches pilose and pubescent. Calyces sericeo-villose; teeth foliaceous, permanent. *Obs.* 6978. Specimen without flowers gathered in Fothergill's garden.—*Smith in lin. tr.* iii. 263.

L. laniger canescens. *Hort. kew.* ii. 156.

L. australe. *Sal. R. hort.* 350.

Melaleuca trinervia. *Smith in White, J. roy.* 229.

THE TEA TREE of New South Wales. *White, J. roy.* 229. *t. at p.* 230. No fructifications. The branch and middlemost leaf.

519. CALYPTRANTHES.

Calyx superior, entire. *Corolla* operculiform, orbicular, caducous. *Berry* unilocular. *Seeds* 1 to 4. *Obs.* 8416. *Swartz, ind. occid.* 917.

1. *CALYPTRANTHES cuminodora*. Leaves ovali-elliptic, acuminate at the end. Panicles lateral. *Obs.* 8416. Specimen from Dr. Wright from the East Indies.

C. caryophyllifolia. *L. a Willd.* ii. 975, from a dried specimen.

Jambolifera pedunculata. *Gaertn.* i. 178. *t.* 36. Petals 4.

Myrtus Cumini. *L. sp.* 674.

Caryophyllus languescente vi aromaticus malabariensis, folio et fructu maximo. *Pluk. alm.* 88; *phyt.* *t.* 274. *f.* 2.

Perin-Njara. *Rheede v.* 57. *t.* 29.

Leaves with pellucid very minute dots. *Panicles* on leafy branches. *Calyx* turbinate. *Corolla* whitish, glabrous, inserted into the margin of the calyx, closing the aperture of the calyx, just sensibly rising above it, readily separable from it, when moistened by steeping it in warm water separable into laminae as if composed of several petals, as described by Gaertner. *Obs.* 8416.

JAMBOSA ceramica. *Rumph.* i. 130. t. 41.

2. *CALYPTRANTHES jambolifera*.—*Leaves* ovate, emarginate. *Panicles* mostly terminal. *Stem* arboreous. *From*

C. Jambolana. *L. a Willd.* ii. 975, &

Jambolana. *Rumph.* i. 131. t. 42.

Jamboloins indica, folio arbuti. *Bauh. J.* i. a. 88.

No fig.

Jamboloins. *Acosta, Chr.* 287. No fig.—The account repr. in *Dalech.* 1873. No fig.—*Park. theatr.* 1636. No fig.

JAMBOLONES. *Garc.* 235. *Raii hist.* 1545.

Jambolan. *Cook in Hawk.* iv. 349.

Jambobol. *Thunb. trav.* ii. 273.

520. EUCALYPTUS.

Calyx superior, permanent, truncate, before flowering covered by an operculum. *Operculum* entire at the margin, deciduous. *Corolla* none. *Capsule* quadrilocular, opening at the end, polyspermous. *From Hort. kew. & Smith. L'Herit.*

1. *Operculum conic.* Smith.

1. *EUCALYPTUS robusta.* 'Operculum constricted in the middle, broader than the calyx. Umbels lateral and terminal. Leaves ovate. *Smith in lin. tr.* iii. 283; *new holl.* 39. t. 13.

RED GUM of an inferior sort. *Smith new holl.* 41.

2. *EUCALYPTUS resinifera.* Operculum conic, terete, coriaceous, twice as long as the calyx. Umbels lateral, solitary. *Smith exot.* ii. 49. t. 84; *in lin. tr.* iii. 284; & *in White, J. voy.* 231. *Andr. rep.* vi. t. 400.

Metrosideros gummifera. *Gaertn.* i. 170. t. 34. f. 1.

Bark of the *RED-GUM TREE.* *White voy.* 231. t. with flowers.

2. *Operculum hemispheric.* Smith.

3. *EUCALYPTUS piperata.*—Operculum mucronate. Umbels lateral, subpaniculate and solitary. Peduncles compressed. Smaller branches angular. *Smith. E. piperita.* *Smith new holl.* 42; *in lin. tr.* iii. 286, & *in White, J. voy.* 226.

The Peppermint tree. *White, J. voy. t. at p.* 226, the branch with leaves.

Leaves ovato-lanceolate, unequal at the base. *Obs.* 5368. Specimen from New Holland.

EUCALYPTUS piperita. *Pears. R.* ii. 179.

521. PSIDIUM.

Calyx superior, quadrifid and quinquefid. *Petals* 4 and 5. *Stigma* simple. *Berry* quadrilocular and quinquelocular, polyspermous. *From Juss. & L.*

Does it essentially differ from *Myrtus*?

1. *Flowers sessile.* From

1. *PSIDIUM rubrum.* Leaves glabrous. *From Lour.* i. 380.

2. *Peduncles uniflorous.* L. a Gmel.

2. *PSIDIUM pyriferum.* Leaves pubescent underneath, ovali-elliptic. *Obs.* 8350. Specimen gathered by Dr. Wright in Jamaica.—*L. sp.* 672; *a Murr.* 460. *Hort. kew.* ii. 157. *Lour.* i. 378. *Jacq. obs.* ii. 6.

P. fruticosum, foliis ovatis venosis, fructu majori. *Browne* 238. Fruit round.

Cujavus surculis et ramis junioribus quadrangulis. *Trew sel. t.* 43.

Cujavus domestica. *Rumph.* i. 140. *t.* 47.

Guaiava alba dulcis. *Commel. J. hort.* i. 121. *t.* 63.

Pela. *Rheede* iii. 31. *t.* 34.

Guayava. *Raii hist.* 1455.

Guayavae arboris ramus. *Clus. hist.* ii. 254, *repr. in Ger. by Johns.* 1613, *cop. in*

Guaiavae arboris ramus et fructus. *Park. theatr.* 1634, &

Guayava indica, fructu mali facie. *Bauh. J. i. a.* 108.

PSIDIUM pyriferum. *Bry.* 210. *Schoepf* 76.

Guava. *Graing.* 37. 60. *Loug* iii. 803.

Guava tree. *Quier in lett.* 136.

α rubra. Pulp of the berries red. *From J. Baubine, & Malo punicae affinis pomifera, flore pentapetalo albo, fructu nullis dissepimentis interstincto ex toto esculento rubro majori. Sloane cat.* 198.

β alba. Pulp of the berries white. *From Malo punicae affinis pomifera, flore pentapetalo albo, fructu nullis dissepimentis interstincto ex toto esculento majore albo. Sloane cat.* 199.

Guajava alba acida, fructu rotundiore. *Pluk. alm.* 181; *phyt. t.* 193. *f.* 4.

3. *PSIDIUM pumilum.* Leaves tomentose underneath, lanceolate. *From L. a Willd.* ii. 957.

CUJAVILLUS. *Rumph.* i. 145. *t.* 49.

3. *Peduncles triflorous.* *L. a Gmel.*

4. *PSIDIUM pomiferum.* Leaves pubescent underneath, elliptic. *From Rumph. and L. a Willd.* ii. 958; *sp.* 672; *mant.* 396; *a Murr.* 461. *Hort. kew.* ii. 157. *Lour.* i. 379.

Cujavus agrestis. *Rumph.* i. 142. *t.* 48.

Malacka pela. *Rheede* iii. 33. *t.* 35. Section of the fruit, and if I mistake not, the flowers and fruit *cop. in*

Guaiava alba, fructu rotundiori. *Pluk. alm.* 181; *phyt. t.* 193. *f.* 4. Peduncles represented as uniflorous and axillary.

PSIDIUM pomiferum. *Bry.* 211.

5. *PSIDIUM guineense.* Leaves ovate, entire, tomen-

tose underneath. Swartz. *ind. occid.* ii. 881.
Cultivated in Hispaniola.

522. CARYOPHYLLUS.

Calyx superior, quadripartite. *Petals* 4. *Berry*
unilocular, monospermous. From *L. a Schreb.*
& *L. a Willd.*—*L.*

Eugenia. *L. a Willd.* ii. 959.

1. CARYOPHYLLUS *malaccensis*. Leaves entire at the margin, lanceolate. Peduncles branched, lateral, with mostly 4 flowers. From Rumphius, *Eugenia malaccensis.* *L. sp.* 672; *a Willd.* ii. 959, *Mill. Ph. dict. n.* 1, & *Forst. G. esc. n.* 6. Drupe containing 1 nut.—*Hort. kew.* ii. 158. *Smith exot.* ii. t. 61. *Andr. rep.* vii. t. 458.

- α rubens*, Fruit red and white. From
Jambosa domestica. *Rumph.* i. 121. t. 37. Fruit containing in a cavity 1, sometimes 2, and sometimes 3 woody angular nuts and sometimes none.
Nati-Schambu. *Rheede* i. 29. t. 18.
Jambos Linschottan. *Bauh. J. i. a.* 117, *cop. in Jambos,* *Park. theatr.* 1637.
JAMBO. *Thunb. trav.* ii. 273.
Jamboo. *Cook in Hawk.* iv. 347.
Jamboe, (misprinted *Tamboe*), *Perciv. Rob. ceyl.* 314.

Eugenia Jambos. *Bry.* 250.

Jambos alter. *Acosta, Christ.* 287. No fig.

- β niger.* Fruit purplish black. From
Jambosa nigra. *Rumph.* i. 125. t. 38. f. 1. Fruit containing a nut.

Jambos, prior Acostae. *Raii hist.* 1478.

Jambos Acostae. *Dalech.* 1872, cop. in *Bauh. J.*
i. a. 116.

JAMBOS. *Acosta, Christ.* 286.

2. CARYOPHYLLUS *Jambos*. Leaves entire at the margin, oblong. Peduncles mostly branched and terminal, with mostly 4 flowers. From Rumphius, *Eugenia Jambos*. *L. sp.* 672; a *Willd.* ii. 959, & *Mill. Ph. dict. n. 2. Hort. kew.* ii. 158.

Malacca Schambu. *Rheede* i. 27. t. 17.

Prunus malabarica fructu umbilicato pyriformi, *Jambos dicta minor*. *Raii hist.* 1478.

JAMBOSA *silvestris alba*. *Rumph.* i. 127. t. 39.

Peduncles sometimes simple, axillary, where a petiole had been inserted. Fruit containing a nut.

Jambu-eyer mauwar. *Cook in Hawk.* iv. 347.

Jambo ayer Maurer. *Thunb. trav.* ii. 273.

3. CARYOPHYLLUS *aromaticus*. Leaves entire at the margin. Panicles axillary and terminal, trichotomous. From Willd. and *L. sp.* 735. *Houtt. nat. hist.* iii. 3. 44. t. 12. f. 1. *Woodv.* ii. 366. t. 135. *Mill. Ph. dict. n. 1.* Not cultivated in England.—*Gaertn.* i. 167. t. 33. f. 2.

Eugenia caryophyllata. *L. a Willd.* ii. 965. *Hast, account from in med. comment. dec. II.* v. 47. *Thunb.*

Girofle. *Sonn. nouv. guin.* 196. t. 119.

Caryophyllus. *Rumph.* ii. 3. t. 1. 2. 3.

Caryophyllum sylvestre. *Rumph.* i. 12. t. 3.

C. *aromaticus indiac orientalis*, fructu clavato monopyreno. *Pluk. alm.* 88; *phyt.* t. 155. f. 1.

Caryophylli. *Lob. obs.* 575, repr. in *ic.* ii. 147, & cop. in

Caryophylli indici. *Bauh. J. i. a.* 423, &

Caryophyllorum effigies spuria. *Park. theatr.* 1578.

Caryophylli veri Clusii. *Ger. by Johns.* 1535, cop. in

Caryophyllorum tormelis genuina effigies. *Park. theatr.* 1578, &

Caryophyllorum indicorum nova icon Clusii. *Bauh. J. i. a.* 423.

Caryophylli. *Cam. epit.* 349. *Clus. exot.* 16, cop. in

Caryophylli indici, icon alia Clusii. *Bauh. J. i. a.* 424.

Caryophylli indici, icon Camerarii. *Bauh. J. i. a.* 424.

Caryophylli aromatici. *Dalech.* 1759.

Peduncles branched, terminal, articulated, bracteate. *Bracteae* ovato-subulate, opposite, in 4 rows, falling off before the flowers expand. *Obs.* 5370. Specimen taken in a prize from the Isle of France, in Sir Jos. Banks's herbarium, compared with others from Burmann gathered in the East Indies in 1776, and by Col. Van Prehn in 1783, in the same herbarium.

CARYOPHYLLA. *Lew.* i. 291.

Caryophyllum aromaticum. *Monro* iii. 47.

Caryophylli. *Alst.* ii. 268. *Carth.* iii. 493. *Cull.* ii. 203. *Spielm.* 247.

Caryophylli aromatici. *Berg.* 473. *Geoffr.* ii. 389. *Hill* 455. *Herm.* 248. *Linn.* 163. *Mill. Jos.* 118. *Murr.* iii. 333. *Rutty* 99. *Schrad.* 557. *Vog.* 249.

Caryophyllus. *Dalé* 295.

C. aromaticus. Embryo flower. Volatile oil. *Pharm. edin.*—*Lew. disp. by Dunc.* 221. *Murr. J.* i. 199. *Pears. R.* i. 95.

C. aromatica. Unripe seedvessel, and its essential oil. *Pharm. lond.*

Eugenia caryophyllata. *Pears. R.* ii. 179.

Cloves. *Chalm.* i. 147. 153. 202; ii. 41. 169. 204. *Fordyce, G. fev.* iii. 253. *Neum.* ii. 204. *Rush v.* 182.

Girofle. *Chom.* 400; *suppl.* 124.

ANTHOPHYLLI. Fruit. *Pharm. austriaco-prov.* 18.—*Berg.* 472. *Carth.* iii. 495. 502. *Herm.* 248. *Linn.* 163. *Murr.* iii. 333. *Vog.* 246. *Ploucq. bibl.* i. 698.

Antophylli. *Schrod.* 558. *Spielm.* 248.

Antophyllus. *Neum.* ii. 206.

OLEUM Caryophyllorum. *Heb.* 302. *Und.* i. 319. *Wintr. in Mead mon.* i. 254.

Caryophylli essentia. *Ploucq. bibl.* i. 314.

Oil of Cloves. *Campet, account from in ann. med. lustr. II.* ii. 131. *Darw.* ii. 135. 500. 688. *Und.* i. 314; ii. 59.

4. **CARYOPHYLLUS** *corticus.* Leaves entire at the margin, ovate, acuminate. Racemi corymbose. Filaments very short. *From*

EUGENIA *cortica.* *Lour.* i. 376.

5. **CARYOPHYLLUS** *acutangulus.* Leaves crenate. Peduncles terminal. Berries tetragonous, oblong, angles acute. *From*

Eugenia acutangula. *L. sp.* 673, *Lour.* i. 375, & *Eugenia foliis crenatis, pedunculis terminantibus, pomis oblongis acutangulis.* *L. zeyl. n.* 190.

Tjeria Samstravadi. *Rheede* iv. 15. t. 17.

BUTONICA terrestris rubra. *Rumph.* iii. 181. t. 115. Fig. of the fruit and spike do not accord with the descr.

6. *CARYOPHYLLUS racemosus*. Leaves crenate. Racemi very long. Berries tetragonous, ovate. From

Eugenia racemosa. *L. a Murr.* 461; *sp.* 673. *Forst. G. austral.* n. 221.

Eugenia foliis crenatis, pomis ovatis; racemo longissimo. *L. zeyl.* n. 191.

BUTONICA terrestris alba. *Rumph.* iii. 181. t. 116. Fruit represented as oblong, two-edged, and in p. 182 said not to be tetragonal, but in p. 181, described as quadrate.

Samstravadi, seu Caipa-tsjambu. *Rheede* iv. 11. t. 6. Fruit sulcate, with 4 angles.

523. MYRTUS.

Calyx superior, quinquepartite and pentaphyllous.

Petals 5. *Berry* bilocular and trilocular; cells with from 1 to 5 seeds. *Obs.* 7183, 7184, and from *Swartz. obs.* 201, *Juss. & Gaertn.*—*L.*—*Vent. tabl. t.* 20. *f.* 1.

1. *MYRTUS communis*. Flowers solitary. Involucrum bibracteate. *L. sp.* 673. *Hort. kew.* ii. 158. *Gaertn.* i. 184. t. 38.
- α romana*. Leaves ovato-elliptic. *Obs.* 8235. Specimen gathered in Fothergill's garden.—*L. sp. α.* *Hort. kew. α.*

M. latifolia. *Besl. hort. arb. aest. fol.* 12.

M. latifolia romana. *Mill. Ph. ic.* 123. t. 184. f. 1.

M. communis. *Mill. Ph. dict. n.* 1. *Dalech.* 237.

M. altera. *Dod.* 760, repr. in

M. laurea maxima. *Lob. obs.* 559; *ic.* ii. 125, and *Ger. by Johns.* 1411, & cop. in

M. latifolia maxima. *Park. theatr.* 1453, &

M. latifolia belgica, forte romana. *Bauh. J. i. a.* 512.

MYRTUS. *Alst.* ii. 264. *Berg.* 394. *Carth.* ii. 141. *Dale* 294. *Herm.* 441. *Lew.* ii. 122; disp. by *Rother.* 202. *Linn.* 146. *Mill. Jos.* 306. *Murr.* iii. 312. *Rutty* 339. *Schoepf* 76. *Spielm.* 283. *Vog.* 133. 273.

M. latifolia romana. *Chom.* 601; suppl. 171.

Myrtle. *Clegl.* 40.

β *belgica.* Leaves lanceolate. *Obs.* 8235. Specimen gathered in Fothergill's garden.—*L. sp. ζ. Hort. kew.* ζ

M. prior. *Dod.* 760, repr. in

M. domestica, fructu albo. *Clus. hist.* i. 67,

M. nova angustifolia. *Lob. ic.* ii. 128, &

M. fructu albo. *Ger. by Johns.* 1412, & cop. in

M. domestica minutissimis foliis, fructu albo. *Park. theatr.* 1453, &

M. angustifolia minor. *Bauh. J. i. a.* 513. *Park. par. t.* 429. f. 2.

MYRTUS foliis minimis et mucronatis. *Schrod.* 632.

γ *mucronata.* Leaves lineari-lanceolate. *Obs.* 8234. Specimen gathered in Miss Shore's garden.—*L. sp. η. Hort. kew.* η

M. minima. *Mill. Ph. dict. n.* 7.

M. minor vulgaris. *Lob. obs.* 560, repr. in *ic.* ii. 127;

M. minor. *Ger. by Johns.* 1412, & cop. in

M. minor, acuto folio. *Park. theatr.* 1453, inner fig.

MYRTUS minor. *Geoffr. suite i.* 102.

M. minor vulgaris. *Boeckl. ap. Herm.* 445. *Chom.* 601. *Schrod.* 632.

2. *MYRTUS tomentosa.* Peduncles uniflorous. Leaves triplinervose, tomentose underneath. *H. K.* ii. 159. *Curt. mag. t.* 250.

Arbor sinensis canellae folio minore trinervi prona parte villosa, fructu caryophylli aromatici majoris villis similiter obducto. *Pluk. amalth.* 21; *phyt. t.* 372. f. 1.

Branches tomentose, whitish rufous. Leaves oval-oblong, glabrous above, tomentose underneath; margin revolute. Peduncles opposite, axillary. Bractae ovate, 2 at the end of the peduncle. Germen obconic, angular. Calyx superior, pentaphyllous; phylla subrotund, incumbent. Petals purplish pink, tomentose on the outside. Stamina many, inserted into the receptacle; between the calyx and the base of the style. *Obs.* 7183.

MYRTUS canescens. *Lour. i.* 381.

3. *MYRTUS trinervia.* Racemi mostly terminal. Leaves trinervose, glabrous, ovate, acuminate. From *Lour. i.* 381. Berry unilocular, polyspermous.

4. *MYRTUS caryophyllata.* Peduncles trichotomous, terminal. Leaves obovate and ovato-lanceolate,

without dots. Calyces entire. Swartz. obs. 202.

L. a Murr. 462; sp. 675.

M. foliis obverse ovatis. L. zeyl. n. 183.

Njara. *Rheede v. 53. t. 27. Drupe.*

Donighas. *Herm. zeyl. 3.*

DAM. Herm. zeyl. 14. 53.

5. MYRTUS *Pimenta*. Panicles axillary and terminal. Leaves opposite, veined, dotted, lanceolato-oblong and oval. Segments of the calyx semiorbicular. *Obs. 8548. Specimen gathered by Dr. Wright in Jamaica.—Hort. kew. ii. 160. Gaertn. i. 185. t. 38. L. sp. 676. Swartz. obs. 202.*

Caryophyllus Pimento. Mill. Ph. dict. n. 2.

M. foliis alternis. L. zeyl. n. 186.

M. calycibus absque appendiculis. L. cliff. 501.

Caryophyllus foliis oblongo-ovatis glabris alternis, racemis terminalibus et lateralibus. Browne 247.

Amomum quorundam odore caryophylli. Raii hist. 1507.

Cambui. Pis. bras. 82, repr. in

Cambuy. Pis. ind. 178.

PIMENTO. Jamaica Pepper. Allspice. Berries. Pharm. lond.—Cull. ii. 205. Long 702.

Pimenta. Dale 296. 421. Geoffr. ii. 386. Hill 466. Linn. 146.

M. Pimenta. Fruit. Pharm. edin.—Lew. disp. by Dunc. 264. Murr. J. i. 202. Pears. R. i. 93; ii. 191. Wright in med. journ. viii. 273.

Piper jamaicense. Alst. ii. 311. Berg. 396. Lew. ii. 226. Mill. Jos. 349. Ruttj 394.

Amomum spurium. Carth. iii. 515.

Amomum. Herm. 251. Murr. iii. 316. Neum. ii. 207. Spielm. 237. Vog. 166.

Jamaica Pepper, *Maclean* 143. *Monro* iii. 222.

Piemento. *Hillary* 67.

Alspice. *Rush*, v. 182. 188.

Poivre de la Jamaïque. *Chom.* 333.

α *ovalifolia*. Leaves oblongo-oval. *Obs.* 8548. *Hort. kew.* ii. 160 β

M. arborea aromatica, foliis laurinis. *Sloane cat.* 161.

Amomum quorundam, an *Garyophyllon* Plinii. *Clus. exot.* 17, repr. in

Amomum quorundam, forte *Garyophyllon* Plinii. *Ger. by Johns.* 1610, & cop. in

Amomum aliud quorundam, et *Garyophyllum* Plinii *Clusio suspicatum*. *Park. theatr.* 1567, &

Amomum Clusii. *Bauh. J.* ii. 194.

Leaves oval and oblongo-oval. *Petioles* slightly pubescent. *Pedicles* pubescent. *Calyx* quadripartite, limber, pubescent. *Petals* 4. *Germen* pubescent. *Obs.* 8548.

β *oblongifolia*. Leaves lanceolato-oblong and lanceolate. *Obs.* 5371. Specimen gathered in the garden of Fothergill.—*Hort. kew.* ii. 160 α

M. Pimenta. *Woodv.* i. 77. t. 26, from Sion-house garden.

M. arborea aromatica foliis laurinis angustioribus. *Sloane cat.* 161.

M. arborea foliis laurinis aromatica. *Sloane in ph. tr. abr. by Hutt.* iii. 425. No fig.—by *Lowth.* ii. 663. t. 9. f. 166, at p. 776; *hist.* ii. 76. t. 191. f. 1, the outer branch cop. in

Caryophyllus aromaticus americanus, lauri acuminatis foliis, fructu orbiculari. *Pluk. alm.* 88; *phyt. t.* 155. f. 4; *mant.* 39.

Branches of last year terete, just below the inser-

tion of the petioles tetragonous; those of the present year quadrangular. *Leaves* opposite, 6 inches long, the lower lanceolato-oblong, the upper oblongo-lanceolate. *Panicles* lateral; branches opposite. *Calyx* quadripartite limber, pubescent, tomentose on the inner side. *Petals* 4, orbicular, with transparent dots. *Obs.* 5371.—*Berry* bilocular; cells monospermous. *Obs.* 5372. Berries from the shops,

6. MYRTUS *acris*. Peduncles axillary and terminal, corymbose, trichotomous. Leaves opposite, elliptico-oval, convex, coriaceous, veined, dotted. Stem arboreous. Segments of the calyx triangular. *Obs.* 8417. Specimen gathered by Dr. Wright in Barbadoes.—*Swartz. ind. occid.* ii. 909.

Caryophyllus foliis oblongo-ovatis oppositis, racemis lateralibus et terminalibus. *Browne* 247.

Caryophyllus aromaticus indiae occidentalis, folio et fructu rotundis dipylene, seminibus fere orbiculatis planis. *Pluk. alm.* 88; *phyt. t.* 155. *f.* 3; *mant.* 39.

The Bayberry tree. *Hughes barb.* 145. *t.* 10*.

M. arborea aromatica, foliis laurinis latioribus. *Sloane cat.* 161.

(*Caryophyllus racemosus.* *Mill. Ph. dict. n.* 5, is described as having no aromatic odour.)

Branches quadrangular, compressed, microscopically tuberculate. *Leaves* opposite, elliptico-oval and oval, glabrous, dull; dots numerous, semitransparent; veins reticulate, the veins near the margin forming a line parallel to the margin. *Panicles* axillary, the lower longer than and the upper shorter than the leaves, glabrous; branches alternate and opposite, patent and horizontal. *Germen* inferior,

obconic, microscopically tuberculate, glabrous. *Calyx* superior, quinquepartite, coriaceous, microscopically tuberculate; segments acute, patent. *Petals* 5, orbicular, with transparent dots. *Stamina* inserted into the receptacle between the calyx and the base of the style. *Style* 1. *Obs.* 7184. From Mr. Hunter's nursery.—*Leaves* coriaceous, shining on the upper surface, revolute, veined, dotted, the larger $3\frac{1}{2}$ inches long; the smaller $2\frac{1}{4}$ inches long. *Panicles* lateral and terminal, shorter than the leaves. *Berry* unripe, bilocular, with 8 seeds. *Obs.* 8417. *MYRTUS* caryophyllata. *Jacq. obs.* ii. 1; *amer.* 8vo. 193.

524. PUNICA.

Calyx superior, quinquefid and septemfid. *Petals* 5. *Berry* multilocular; cells polyspermous, in 2 sets, the upper set consisting of 8, the lower set of 5 cells. *Obs.* 5373. 6839. *L.*

1. PUNICA *Granatum*. Leaves lanceolate and oblong. Stem arboreous. *Obs.* 5373. Specimen from Prof. Jos. F. Jacquin.—*L. sp.* 676. *Hort. kew.* ii. 160. *Woodv.* i. 158. *t.* 58. *Scop. carn.* n. 585. In the mountains near Trieste.—*Host* 271. In Litorali about Duino and Trieste and at the foot of the mountain Vogliack.—*Lour.* i. 383. *Andr. rep.* ii. *t.* 96. The var. with white corollae.

P. fruticosa major, ramulis crassioribus erectis. *Browne* 239. Cultivated in Jamaica.

Malus punica sativa, aliis simplici flore. *Sloane cat.* 201.

Punica malus sylvestris. *Raii eur.* 211. In the south of France.

Malum Granatum. *Rumph.* ii. 94. t. 24. f. 1.

Malum punicum. *Lob. obs.* 564, repr. in *ic.* ii. 130, (misprinted 184) cop. in

Malus punica sativa. *Park. theatr.* 1510, and repr. in

Malus punica sylvestris. *Ger. by Johns.* 1450.

Malus punica. *Dalech.* 303. *Trag.* 1037. *Raii hist.* 1462. *Bauh. J. i. a.* 76. *Cam. epit.* 130. *Dod.* 782, repr. in

Malus granata sive punica. *Ger. by Johns.* 1450.

Malus granatus simpliciflore. *Park. par. t.* 429. f. 4.

Malus Granata. *Stap.* 393.

Mali punicae sive Granatae fructus. *Park. theatr.* 1510. Fruit.

Mala punica. *Cam. epit.* 131. Fruit.

Berry multilocular; cells in 2 sets, the upper set consisting of 8, occupying the greater part of the berry, the lower of 5, occupying the lower third or fourth of the cavity; dissepiments membranaceous, reticulate, the areolae transparent polygonal resembling the ends of the cells of a honeycomb, the areolae divided by opaque fibres; columellae 8 above inserted into the sides of the paries of the berry, and 5 below inserted into the lower part of the paries of the berry. No transverse septum discernible between the upper and lower sets of cells excepting the contiguous dissepiments. *Seeds* oblongo-ovate, with many sides, whitish, enveloped with a rosecoloured manysided pellucid pulp, and attached to the columellae by very short pedicles inserted into the narrower end. *Obs.* 6839.

GRANATUM. Pomegranate. Rind of the fruit.
Flower called Balaustium. *Pharm. lond.*—*Berg.*
397.

Granata. *Cull.* ii. 44. *Dale* 290. *Heb.* 128. *Geoffr.*
iii. 791. *Herm.* 217. *Hunt. J. jam.* 236. *Linn.*
147. *Mill. Jos.* 218. *Monro* iii. 120. *Murr.* iii.
262. *Quar. anim.* 198. 265. *Rutty* 223. *Schoepf*
77. *Schrod.* 598. *Spielm.* 90. *Vog.* 294.

Punica. *Alst.* ii. 87.

P. Granatum. Pomegranate. Outer rind of the
fruit. Double flowers. *Pharm. edin.*—*Bry.* 275.
Lew. disp. by Dunc. 289. *Pears. R.* i. 66; *ed.*
ii. 352.

P. sive Granata malus. *Vog.* 262.

Granata malus. *Lew.* i. 472.

Mali granati cortices. *Carth.* ii. 139. *Mead mon.*
i. 57.

Mala punica. *Mead mon.* ii. 121.

Malicorium. *Linn.* 147. *Sauv. nos.* ii. 401.
Schoepf 77.

Pomegranate. *Graing.* 37. *Monro, Don. sold.* ii.
44.

Pomegranate tree. *Papin in ph. tr. abr. by Jones*
v. part. ii. 185, & *by Hutt.* vi. 53.

Grenadier. *Chom.* 603.

β *plena*. Corolla double. *From L. sp. β, and Hort.*
kerw. β

Malus punica pleniflora flore majore. *Sloane cat.*
201.

Balaustium romanum seu minus. *Park. par. t.* 429.
f. 5.

Balaustium. *Lob. ic.* ii. 131, repr. in

Balaustia. *Ger. by Johns.* 1450, & cop. in

Malus punica sylvestris, sive Balaustium. *Park.*
theatr. 1511, &

Balaustia hispanica. *Bauh. J.* i. a. 82.

Balaustium majus sive cyprium. *Park. par. t.* 429.
f. 6. A flower.

BALAUSTIA. *Berg.* 397. *Carth.* ii. 141; *Cull.*
ii. 48. *Dale* 291. *Geoffr.* iii. 796. *Hill* 437. *Lew.*
i. 190. *Mead mon.* i. 57. *Mill. Jos.* 219. *Rutty*
53. *Spielm.* 90.

Balaustium. *Alst.* ii. 87.

Balaustiorum flores. *Herm.* 610. *Linn.* 147. *Murr.*
iii. 262. *Quar. anim.* 202. 264. *Schoepf* 77. *Vog.*
151.

Balaustines. *Graing.* 60. *Und.* ii. 144.

Balaustine flowers. *Monro, Don. sold.* ii. 44.

2. *PUNICA nana.* Leaves linear. Stem shrublike.
L. sp. 676, from *Mill. Ph. dict. n.* 2. *H. K.* ii.
160.

P. fruticosa humilior, ramulis gracilibus patentibus.
Browne 239, who is doubtful whether to call it
a species or var. Cultivated.—Is it not a var. the
produce of America?

POMEGRANATE. *Graing.* 37.

525. PRUNUS.

Calyx inferior, quinquefid. *Petals* 5. *Drupe*, nut
with slightly prominent sutures. *L.*

1. *Nut smooth. Flowers racemose.*

1. *PRUNUS virginiana.* Racemi erect. Leaves de-
ciduous, nitid. Petioles glabrous, with from 2 to
5 glands a little below the end. *Obs.* 6468. In a
garden, in fruit.—*L. sp.* 677. *Hort. kew.* ii. 163.

P. floribus racemosis, foliis deciduis basi antice glandulosis. Gron. virg. 75.

Padus virginiana. Mill. Ph. dict. n. 3. Leaves lucid green. Fruit black when ripe.

Laurea Cerasus virginiana. Park. par. 599. t. 597. f. 6.

Branches purplish blackish brown. *Leaves* smooth, glabrous, elliptic and ovali-elliptic, acutely serrate, to $3\frac{1}{2}$ inches long, concave, pale green underneath; anterior angles of the axillae of the costa underneath barbate. *Obs.* 6287.—*Leaves* slightly nitid. *Petioles*, glands in the larger leaves mostly below the leaf, one of them very rarely covered by the incumbent base of the leaf. *Flowers* crowded. *Racemi* cylindric, longer than the peduncle, 2 inches long. *Petals* orbicular, concave, minutely crenate, just sensibly longer than the tenth of an inch. *Obs.* 6468.—*Berries* red, when ripe purplish black, round. *Obs.* 4106. The same plant with *Obs.* 6287, & 6468.

PRUNUS virginiana. Bart. 37. Coxe 375.

Cerasus sylvestris. Schoepf 77.

Wild Cherry tree. *Rush* ii. 128.

2. *PRUNUS Laurocerasus.* Flowers racemose. Leaves evergreen, with glands underneath. *Obs.* 8238. Specimens gathered in a garden. Found near a ruin at the foot of Malvern hill on the Herefordshire side below Clutters cave which is to the south of the camp.—*L. sp.* 678. *Hort. kew.* ii. 164. *Woodv.* iv. 73. t. 230.

Padus Laurocerasus. Mill. Ph. dict. n. 4.

Laurocerasus. Raii hist. 1549. *Boerh.* ii. 246.

Cam. hort. 86. t. 23. *Park. par.* 401. t. 399. f.

6. *Clus. pann.* 771, repr. in *hist.* i. 4, cop. in *Bauh. J.* i. a. 420, &

Cerasus trapezuntina, sive *Laurocerasus*. *Park. theatr.* 1518, & repr. in

Laurocerasi flos. *Ger. by Johns.* 1603.

Laurocerasi fructus. *Ger. by Johns.* 1603.

Lotus secunda. *Dalech.* 349. In fruit.

Leaves with 1 and 2 pairs of glands near the costa towards the base; glands depressed, orbicular. *Obs.* 8238.

LAURO-CERASUS. *Akerman* in *new med. journ.* ii. 213. *Berg.* 399. *Cull.* ii. 282. *Dale* 309. *Darw.* ii. 682. *Hargens*, account from in *phys. journ.* iii. 585. *Lew.* ii. 47; disp. by *Dunc.* 346. *Linn.* 148. *Madden* in *ph. tr. abr.* by *Reid* and *Gray* vi. part iii. 258, by *Hutt.* vii. 468, and in *Mihles ess.* ii. 227. *Murr.* iii. 213. *Ploucq. bibl.* i. 658. *Rogers* in *phys. journ.* v. 500; account from in *chir. rev.* viii. 84. *Swediaur*, account from *ib.* x. 489. *Thilenius*, account from in *phys. journ.* i. 511. *Vog.* 106. *Wurzer*, account from in *med. rev.* vi. 397; and *phys. journ.* vi. 375; ix. 288.

P. Lauro-Cerasus. *Murr. J.* i. 137.

Laurel. *Lew. disp.* 376. *Rutty* in *ph. tr. abr.* by *Hutt.* viii. 297, and in *Mihles ess.* ii. 363.

3. **PRUNUS Mahaleb.** Flowers corymbose, terminal. Leaves subrotundo-ovate. *Obs.* 8239. Specimen gathered in the Leyden garden.—*L. a Murr.* 463; sp. 678. *Hort. kew.* ii. 164. *Poll. n.* 466. *Roth germ.* i. 211; ii. 539. *Scop. carn. n.* 588. *Host* 272. *Krock. n.* 752. *Gouan hort.* 239. Near Montpelier.

Cerasus silvestris amara, Mahaleb putata. *Bauh. J.* i. a. 227. *Raii hist.* 1549; *eur.* 91. In hedges near Grenoble.

Vaccinium Plinii. *Dalech.* 255.

Macholebum. *Cord. fol.* 205. p. 1.

Machaleb germanicum, *Park. theatr.* 1518, inner and outer figures.

(*Mahaleb Matthioli.* *Dalech.* 154, *cop.* in

Macaleb Gesneri. *Ger. by Johns.* 1397, has axillary peduncles.)

Native of the south of France and Germany, and the Grisons.

MAHALEB. *Dale* 309.

4. **PRUNUS** *hiemalis.* Pedicles aggregate, glabrous. Leaves oblongo-oval and obovate, abruptly acuminate. Segments of the calyx lanceolate. Stem arboreous. Stipulae with setaceous segments. Fruit subovate. *From Michaux* i. 284.

5. **PRUNUS** *Armeniaca.* Flowers sessile. Leaves nearly cordate. *L. sp.* 679. *Hort. kew.* ii. 164. *Armeniaca.* *Boerh.* ii. 242. *Mill. Ph. dict.*

ARMENIACA. *Berg.* 407.

Armeniaca Malus. *Dale* 301. *Geoffr.* iii. 116. *Mill. Jos.* 50.

Armeniaca mala. *Spielmann.* 79.

P. Armeniaca. *Bry.* 231. *Pears. R.* i. 64.

Apricots. *Darw.* ii. 682. *Fordyce, G. sev.* ii. 36; iii. 195.

NUCLEI *malorum armeniacorum.* *Carth.* i. 329.

GUMMI *pomorum armeniacorum.* *Carth.* i. 293.

α major. *Armeniaca Malus fructu majore ex luteo-rubescente.* *Boerh.* ii. 242.

Malus armeniaca, sive *praecocia*. *Park. par. t.* 581.
f. 1; *theatr.* 1512, *cop. from*

Malus armeniaca. *Dod.* 735, *which repr. in Lob.*
ic. ii. 596, &

Malus armeniaca major. *Ger. by Johns.* 1448.

Malus armenia major. *Dalech.* 297.

Armeniaca mala majora. *Cam. epit.* 146. *Bauh.*
J. i. a. 167. *Raii hist.* 1514.

β *minor*. *Armeniaca malus fructu minore ex luteo*
rubescente. *Boerh.* ii. 242.

Malus armenia minor. *Dalech.* 297.

Armeniaca malus minor. *Ger. by Johns.* 1449.

Armeniaca mala minora. *Cam. epit.* 147. *Bauh.*
J. i. a. 167. *Raii hist.* 1513.

6. *PRUNUS communis*. Peduncles in threes in pairs
 and solitary. Leaves elliptico-oval, convolute.
Obs. 4714. In a hedge.—*Obs.* 4712. In a gar-
 den, in spring.—*Huds.* 212.

GUMMI prunorum. *Carth.* i. 293.

α *spinescens*. Some of the branches spinescent. *Drupe*s
 subglobose brownish black. *Obs.* 4714.

P. communis insititia. *Huds.* 212.

P. insititia. *L. sp.* 680. *Bot. arr.* 508. *Smith brit.*
 528.

P. sylvestris major. *Bauh. J. i. a.* 196. No fig.—
Raii syn. ed. ii. 30; *ed.* iii. 462.

P. sylvestris major, fructu nigro. *Raii hist.* 1528.

Leaves elliptico-obovate, villose along the costa
 and veins, 2 inches long and 1 broad. *Peduncles*
 solitary and in pairs. *Calyx*, segments ovato-sub-
 rotund and oblong. *Petals* ovali-subrotund. *Drupe*s
 solitary, seven tenths of an inch broad. *Obs.* 6096.
 6288. In a hedge. 14 June. 9 Oct.

PRUNUS insititia. *Bry.* 242. *Krock. n.* 750.
Spielm. 95. *With. in bot. arr.* 509.

β. damascena. Branches unarmed. Drupes oval, bluish black. *From memory.*

P. domestica. *L. sp.* 680 *β.* *Krock. n.* 749. *Woodv.*
ii. 235. *t.* 85. *Bot. arr.* 508. *Smith brit.* 527.
Lob. obs. 595, repr. in *ic. ii.* 176, *Ger. by Johns.*
 1497, &

Prunus. *Dod.* 793.⁴ *Cam. epit.* 163. *Park. theatr.*
 1512. *Bauh. J. i. a.* 184. *Trag.* 1019, cop. from
P. sativa. *Fuchs.* 403. *fol. ed. which cop. in* 396.
c. 154. *Raii hist.* 1526.

Leaves ovali-elliptic and elliptico-oval, some glabrous, others villose along the costa and veins, 3 inches long, and 2 broad. *Peduncles* in threes in pairs and solitary. *Petals* obovate, attenuate at the base. *Obs.* 4712. 6095. In autumn.

PRUNA damascena. *Alst. ii.* 315. *Berg.* 405.
Carth. ii. 187. *Herm.* 398. *Lew. ii.* 246. *Linn.*
 150. *Mill. Jos.* 359. *Murr. iii.* 231. *Schrod.*
 656.

P. damascena. *Dale* 304. *Rutty* 412.

Prunella. *Quar. febr.* 19.

Pruna magna dulcia atro-caerulea. *Geoffr. suite ii.*
 84.

γ gallica. Similar to *β*, but smaller. *From authors.*

PRUNUS gallica. Fruit. French Plumb or Prune. *Pharm. lond.—Dale* 304. *Rutty* 412.

P. domestica. Fruit. French Prunes. *Pharm. edin.—Bry.* 237. *Pears. R. i.* 65. 204.

Pruna gallica. *Alst. ii.* 315. *Berg.* 405. *Lew. ii.*
 246. *Linn.* 149. *Mill. Jos.* 359. *Monro iii.* 224.
Murr. iii. 230.

Pruna domestica. *Vog.* 261.

Pruna. Quar. febr. 19. *Spielm.* 95, *Stoll med.* i. 127. 134. 144.

Prunus. *Ploucq. bibl.* i. 486.

Pruna damascena. *Geoffr. suite* ii. 88.

Pruna parva dulcia atro-caerulea. *Chom.* 8.

Prunes. *Cull.* i. 254. *Fordyce, G. fev.* ii. 54.

♂ *cerea.* *L. sp.* 2

PRUNA catharinae. *Berg.* 405.

Pruna coloris ceræ ex candido in luteum pallescentis.
Geoffr. suite ii. 84.

♀ *maliformis.* *L. sp.* 680 9

PRUNA rotunda flava dulcia mali amplitudine.
Geoffr. suite ii. 85.

♂ *flavescens.* *P. fructu ovato maximo flavo.* *Geoffr. suite* ii. 84.

PRUNA subrotunda flavescens. *Geoffr. suite* ii. 84.

n *cereola.* *L. sp.* 680 λ

PRUNA parva ex viridi flavescens. *Geoffr. suite* ii. 86.

9 *claudiana.* *P. fructu majori virescente suavissimo.*
Geoffr. suite ii. 86.

PRUNA claudiana. *Geoffr. suite* ii. 86.

1 *brignolensis.*—*L. sp.* 680. o

PRUNA brignolensis. *Alst.* ii. 315. *Berg.* 405.
Lew. ii. 246. *Mill. Jos.* 359. *Murr.* iii. 232.

Pruna ex flavo rufescentia, mixti saporis, gratissima.
Geoffr. suite ii. 85. *Schrod.* 656.

Pruneola. *Linn.* 150.

P. brignolensis. *Dale* 304.

7. *PRUNUS Chicasa.* Buds aggregate. Peduncles very short, mostly in pairs. Leaves oblongo-oval, acute and acuminate, serrulate. Calyx glabrous;

segments obtuse. Stem fruticose. Branches mostly spinescent. Drupe subglobose. *From Michaux. Donn 114.*

P. angustifolia. *Marsh.* 111, but the leaves are described as lanceolate, and the drupes oval and ovate. *PRUNUS Chicasa. Michaux i. 284.*

8. *PRUNUS maritima.* Leaves oval, serrulate, mostly with 2 glands at the base. Calyces pubescent. Stem fruticose. Drupe spherical. Nut subrotundo-ovate. *From Michaux. Marsh 112? Donn 114?*

P. sphaerocarpa. Michaux i. 284?

Beach or seaside Plumb. *Cull.* 449?

PRUNUS sylvestris. Schoepf 78.

Swamp Plum tree. *Clayt. in ph. tr. abr. by Hutt. viii. 332.*

9. *PRUNUS spinosa.* Peduncles solitary and in pairs. Leaves cuneiformi-lanceolate lanceolate and elliptic. Segments of the calyx acute. *Obs.* 4713. In a hedge.—*L. suec. n.* 432; *sp.* 681. *Bot. arr.* 509. *Woodv. ii.* 233. *t.* 84. *Smith brit.* 528; *Fl. dan. t.* 926.

P. sylvestris. Raii hist. 1527; *syn.* 462. *Tourn. paris.* 129. *Vaill. paris.* 165. *Boerh. ii.* 241. *Fuchs.* 396. *c.* 154, *cop. in Bauh. J. i. a.* 193, *Dalech.* 130, & *Trag.* 1016. *Dod.* 741, *repr. in Lob. ii.* 176, & *Ger. by Johns.* 1497, & *cop. in Park. theatr.* 1033.

Leaves, laminae elliptic, glabrous, serrate; teeth acute; petioles pubescent. *Obs.* 8078. In a hedge. 21 May.

PRUNUS spinosa. Coste & Willem, in med. comment. v. 298. Pears. R. ed. ii. 334. 351.

P. sylvestris. Fruit. Pharm. lond.—Chom. 9; suppl. 1. Cull. ii. 41. Lew. ii. 247; disp. by Dunc. 287.

Pruna sylvestria. Mill. Jos. 360. Monro iii. 225. Paisley in ann. med. lustr. II. i. 420.

Prunellus sylvestris. Dale 305.

Acacia germanica. Alst. ii. 478. Krock. n. 751. Mill. Jos. 360. Rutty 4. Schrod. 524.

Acacia nostras. Berg. 408. Geoffr. ii. 718. Linn. 150. Murr. iii. 234. Spielm. 414.

Acacia. Vog. 229. 269.

Blackthorn. Lind. hot clim. 314.

Sloes. Darw. ii. 710. 715.

ACACIARUM flores. Vog. 143.

LYCIUM. Schrod. 725.

10. *PRUNUS pumila.* Peduncles aggregate. Leaves obcuneato-lanceolate, serrate, glabrous. Obs. 8077. In Mr. Wilkinson's garden.—*L. mant.* 75; *a Murr.* 463. *Duroi obs.* 11. *Hort. kew.* ii. 165. *Michaux* i. 286.

(*P. sylvestris humilior*, fructu rubro praecociori et minori, radice reptatrice. *Gron. virg.* 76, not this plant, which Clayton would have stiled a *Cerasus*.)

Stem fruticose, 4 feet long, grafted on a cherry stock. *Branches* crowded. *Leaves* green, paler underneath; teeth glandular, the lowermost at the base on each side rounder. *Petioles* glabrous, somewhat shorter than the breadth of the leaves. *Peduncles* 4 together, somewhat shorter than the laminae of the leaves. *Calyx*, segments oblong, obsoletely

serrate, deflex. *Petals* obovate, emarginate. *Drupe* when unripe oval, acute. *Obs.* 8077.—*Drupe* when ripe full red, not distinguishable from a tolerably good cherry in flavour or appearance, which induces me to believe that this is the natural state of *P. Cerasus*, and that α is the naturalised-offspring of what the Romans introduced into Europe. *Obs.* 8760. In the nursery of Mr. Boughton at Lower Wick near Worcester.—*Peduncles* in pairs. *Obs.* 8761. Specimen gathered in the Utrecht garden.

CERASUS canadensis. *Mill. Ph. dict. n.* 5.

11. PRUNUS *Cerasus*. Umbels on short peduncles. Leaves oblongo-elliptic. *Obs.* 6291. In Mr. S. Shore's pleasure ground spontaneously.—*Huds.* 213. *Smith brit.* 526. *Krock. n.* 748.

Cherry tree. *Tourn. voy.* ii. 166. About Cerasonte in Anatolia.

CERASUS. *Pharm. succ.*—*Alst.* ii. 273. *Boccl. ap. Herm.* 377. *Geoffr.* iii. 285. *Lew disp. by Rother.* 135. *Vog.* 293.

Cerasa. *Carth.* i. 329. 435. *Herm.* 377. *Lew.* i. 443. *Ploucq. bibl.* i. 661. *Schrod.* 560.

P. Cerasus. *Bry.* 235.

Cherry. *Fordyce, W. fœv.* i. 189. 206; iii. 194. *Rush* ii. 241.

Cerisier. *Chom.* 816.

GUMMI cerasorum. *Carth.* i. 293. *Monro* ii. 439. *Rutty* 228. *Spielm.* 82. *Vog.* 320.

α *avium.* Glands near the end of the petioles. *Drupe*s black, of the size of the nut of ξ n 9. *Obs.* 6291.

P. Cerasus avium. *Huds.* 213.

P. avium. *Sibth. ox.* 154. *Bot. arr.* 507.

Cerasus nigra. *Mill. Ph. dict. n.* 2.

The wild black Cherry tree. *Evel. by Hunt.* i. 181.
t.

Cerasus silvestris, fructu nigro. *Bauh. J.* i. 220.

Raii syn. 463. In hedges in Suffolk.—*Vaill. paris.* 32.

Cerasus nigra. *Ger. by Johns.* 1505. *Mill. Ph. dict. n.* 2.

Leaves when young pubescent underneath along the costa and veins. *Obs.* 6291.

CERASUS nigra. *Dale* 307.

Cerasa nigra. *Pharm. austriaco-prov.* 28.—*Lew. disp.* 376; by *Dunc.* 346. *Linn.* 149. *Mill. Jos.* 127. *Murr.* iii. 209.

P. avium. *Bry.* 233. *Krock. n.* 747.

Cerasus major ac silvestris, fructu subdulci nigro colore inficiente. *Chom.* 366.

Black Cherry. *Darw.* ii. 682. *Lew.* i. 444.

β *Corone*. Drupe somewhat larger than that of α.
From

Black Coroun. *Mill. Ph. dict.* who says the drupe is a little rounder than that of γ.

P. Cerasus ε. *Smith brit.* 527. About Bergh Apton in Norfolk, and in Hertfordshire.

γ *rubra*. Petioles mostly with glands near the end.
Drupe red, $4\frac{1}{2}$ tenths of an inch broad. *Obs.* 6711.
In a hedge at Cutthorp near Chesterfield. 5 Aug.
—*Obs.* 7134. In a hedge in the Bythrops near Chesterfield.

P. avium. *L. sp.* 680.

P. Cerasus. *Bot. arr.* 507. *Sibth. ox.* 155. *Huds.* 213 α β δ. *Smith brit.* 526 α β γ

Cerasus sylvestris, fructu rubro. *Bauh. J.* i. 220.
Raii syn. 463.

Cerasus sylvestris septentrionalis, fructu parvo sero-

tino. *Raii cat. ed. ii.* 62, from the itin. of Johns. who found it on the banks of the Tees near Bernard castle in the bishopric of Durham; *syn.* 463.

Cerasus sylvestris septentrionalis anglica, fructu rubro parvo serotino. *Raii hist.* 1539.

Cerasus sylvestris, fructu minimo cordiformi. *Raii syn.* 463. About Bury and Manchester in Lancashire, Stockport in Cheshire, and Rosgill in Westmorland.

Petioles with 2 glands 1 gland and without.

Obs. 6711.—*Leaves*, the lowermost teeth on one and sometimes on both sides glandular. *Petioles* without glands. *Drupe* unknown. *Obs.* 7134.

♂ *acidula*. *Drupe* round, red; pulp easily separating from the nut. *From memory.*

P. Cerasus aproniana (misprinted *caproniana*.) *L. sp.* 679.

Cerasa acida rubella. *Bauh. J.* i. 221. No fig.

Cerasus foliis ovato-lanceolatis. *L. ups.* 125 β

Cerasia. *Lob. obs.* 592, repr. in *ic.* ii. 170, &

Cerasus vulgaris. *Ger. by Johns.* 1502, and cop. in *Park. theatr.* 1517. *Mill. Ph. dict. n.* 1.

Kentish Cherry. *Mill. Ph. dict.*

Cerasa aproniana. *Plin.* 371. l. 15. c. 25.

CERASUS rubra. *Dale* 307.

Cerasa rubra. *Berg.* 402. *Linn.* 149. *Mill. Jos.* 128. *Murr.* iii. 205. *Rutty* 114. *Schoepf* 78.

Vog. 250 β

Cerasa acida. *Spielm.* 74. *Quar. febr.* 381.

Cerasa rubra acida. *Lew. disp. by Dunc.* 346.

Cerasus sativa, fructu rotundo rubro et acido. *Chom.* 816.

Red Cherries. *Lew. disp.* 123.

ε *aquosa*. P. *Cerasus juliana*. L. sp. 679 ε

CERASUS fructu aquoso. Vaill. paris. 32.—
Chom. 816.

ξ *maialis*. Petioles sometimes with glands at the end.
Lowermost teeth of the leaves sometimes glandular. Drupe round, of a uniform red, the pulp separating without much difficulty from the nut.
Obs. 6712. In a garden. The account of the fruit from memory.

May Duke Cherry. Mill. Ph. dict.

Leaves when young pubescent underneath along the costa and primary veins. *Obs.* 6289.—Petioles frequently with a gland at the end, one on each side.
Obs. 6712.

η *cordiformis*. Drupe white and red; pulp whitish, adhering to the nut. From memory.

P. *Cerasus dulcis*. L. sp. 679.

Cerasa hispanica. Lob. ic. ii. 170, repr. in

Cerasus hispanica. Ger. by Johns. 1502, & cop. in

Cerasa duracena oblonga. Bauh. J. i. 221.

Cerasus hispanica, sive alba. Park. par. t. 573.
f. 3.

Cerasus major, fructu cordato magno. Raii hist. 1538.

White heart Cherry. Mill. Ph. dict.

CERASA dulcia. Spielm. 81.

§ *nigra*. Drupe similar in shape to that of η, reddish black; pulp blackish red. From memory.

Cerasus cordata. Park. par. t. 573. f. 7.

Smaller Lacure or hart Cherrie. Park. par. 572.

Black heart Cherry. Mill. Ph. dict.

CERASA nigra. Rutt. 114. Vog. 250 α

Black Cherries. Lew. in Neum. ii. 234; disp. 123.

autumnalis. Drupe round, small, blackish red, somewhat acrid, bitterish, ripening late. *From Duhamel quoted by Berg.*

Agriot Cherry. *Park. par.* 572.

CERASA autumnalia. *Berg.* 403.

* *serotina.* Drupe blackish red, roundish. *From memory.*

P. Cerasus austera. *L. sp.* 679.

Cerasa acida nigricantia solidiora, tardius maturescentia. *Bauh. J. i.* 221.

CERASA acida nigricantia. *Dale* 308.

Morello Cherries. *Lew. in Neum. ii.* 234; *disp.* 123.

Cerasus nigra. *Berg.* 402.

12. *PRUNUS nigra.* Umbels sessile, solitary, with few flowers. Leaves deciduous, ovate, acuminate. Petioles with 2 glands. *Hort. kew. ii.* 165.

P. borealis. *Michaux i.* 286.

BLACK CHERRY TREE. *Cutl.* 449.

2. *Nut with cavities on the outside.*

13. *PRUNUS Padus.* Flowers racemose. *Obs.* 6467.

In a hedge between Fossbrook and Cheadle in Staffordshire, in fruit, on gritstone.—*Hort. kew. ii.*

162. *L. succ. n.* 431; *sp.* 677. *Lightf.* 253.

Bot. arr. 506. *Smith brit.* 526; *engl. t.* 1383.

Scop. carn. n. 589. *Poll. n.* 465. *Roth germ.*

i. 211. *Gort. belg. foed. n.* 418. *Huds.* 213.

Fl. dan. t. 205. *Krock. n.* 746.

Padus avium. *Mill. Ph. dict. n.* 1.

Padus foliis annuis. *L. lapp. n.* 198.

Cerasus racemosa sylvestris, fructu non eduli. *Boerh. ii.* 244.

Pseudo lignstrum. *Dod.* 765, repr. in

Cerasus avium nigra et racemosa. *Ger. by Johns.*

1504. *Raii hist.* 1549; *syn.* 463. *Warn. woodf.*

31.

Cerasa racemosa. *Dalech.* 312.

Padus. *Dalech.* 312, cop. in

Cerasus racemosa putida, Padus Theophrasti dicta.

Park. theatr. 1518, &

Cerasus racemosa quibusdam, aliis Padus. *Bauh. J.*

i. a. 228. Serratures of the leaves represented as ciliae. Nut rough.

Cerasus racemosa rubra. *Ger. by Johns.* 1504, cop. in

Cerasus avium racemosa. *Park. theatr.* 1517, may be *P. rubra.*

Cerasus avium racemosa. *Park. par. t.* 573. f. 9, in fruit, may be *P. rubra.*

Branches lightish brown, with oblong cicatrices; young branches pubescent below, glabrous above. *Leaves* when the plant is in flower elliptic, acuminate, acutely serrate, mostly cordate at the base, one half sometimes a little longer than the other, pale green on both sides; costa pubescent below next the substance of the leaf and more especially so at the superior axillae of the lateral costae; when the plant in fruit elliptico-oval, glaucous underneath. *Petioles* with 2 glands at the end, one on each margin, contiguous to the leaf, one of them generally covered by the incumbent base of the longer half of the leaf. *Petals* obovato-subrotund. *Drupe* purplish black, shining, not unpleasantly astringent; pulp green, rather thin; nut oval, slightly acute at each end. *Obs.* 6606. In flower in a hedge row between Bake-well and Edensor in Derbyshire, on gritstone.—*Obs.*

6467 in fruit.—*Petioles*, glands mostly a little below the leaf. *Obs.* 6286. Specimen from Dr. Heise.

Native of Germany, Dauphine, Holland, Scandinavia, Scotland, Cumberland, Westmorland, Lancashire, Yorkshire, Derbyshire, Staffordshire, Norfolk, Cambridgeshire, Essex, and Kent.

PADUS. *Berg.* 401. *Dale* 309. *Murr.* vi. 124.

P. Padus. *Coste & Willem.* account from in *med. comment.* v. 298. *Krock.* n. 746. *With.* in *bot. arr. ed.* IV. iii. 446.

14. *PRUNUS Persica.* Leaves serrate, lanceolate. Flowers sessile. Nut roundish. *Obs.* 6266. In a garden.—

Amygdalus Persica. *L. sp.* 676. *Hort. kew.* ii. 161.

Woodv. iv. 71. *t.* 239. *Lour.* i. 386.

Malus persica. *Park. theatr.* 1513. *Bauh. J.* i. a. 157. *Dod.* 784, repr. in

Persica alba. *Ger.* by *Johns.* 1447.

Persica. *Cam. epit.* 144.

Persica rubra. *Cam. epit.* 145.

PERSICA. *Pharm. austriaco-prov.* 55.—*Alst.* ii. 365. *Berg.* 413. *Lew.* ii. 192; *disp. by Rother.* 215. *Linn.* 147. *Murr.* iii. 241. *Schoepf* 77. *Spielm.* 224. *Vog.* 149.

Amygdalus Persica. *Bry.* 220. *Coste & Willem.* in *med. comment.* v. 298.

Peach. *Bishop in med. facts* viii. 122. *Boulduc in acad. sci. abr.* by *Southw.* iii. 229. *Fordyce, G. fex.* ii. 36; iii. 195. 196; *W. fex.* 135. *Monro, Don. sold.* i. 354. *White, R. in med. rev.* iv. 81.

Malus persica. *Carth.* iv. 231. *Chom.* 11; *suppl.* 2. *Geoffr.* iii. 798. *Rully* 383. *Schrod.* 644.

Persica malus. Dale 301.

Persica mala. Mill. Jos. 338. Spielm. 94,

NUCLEI malorum persicorum. Carth. i. 329.

Persicorum nuclei. Herm. 381. Vog. 259.

GUMMI pomorum persicorum. Carth. i. 293.

α lanuginosa.—Fruit downy. Hort. kew. *α*

Mala persica. Park. par. 580. t. 581. f. 3 to 6.

Malus persica. Park. theat. 1513. Raii hist. 1515.

Leaves lanceolate; teeth acute. Flowers sessile, solitary. Germen downy. Obs. 6266.

β acuminata. Drupe downy, acute. From

Malus persica Melocotonea. Park. par. t. 581. f. 2.

Persica hispanica, Melocotonea quibusdam. Bauh.

J. i. a. 162. No fig.—Raii hist. 1515.

γ glabra. Drupe glabrous. Hort. kew. *β.* L. sp. 676 *β*

Nucipersica. Park. par. 582. t. 581. f. 9. 10; theat. 1516. Raii hist. 1516.

Leaves lanceolate; lowermost teeth generally glandular. Obs. 7332. In a garden.

NECTARINE. Fordyce, G. fœv. iii. 195; W. fœv. 135.

15. PRUNUS *Amygdalus.* Leaves serrate, lanceolate. Peduncles shorter than the calyx. Nut ovate. Obs. 6268. In a garden.

Amygdalus communis. L. sp. 677. Hort. kew. ii. 161. Woodv. ii. 230. t. 83. Gou. hort. 239. In corn fields and vineyards near Montpellier.—Lour. i. 386.

Amygdala. Lob. obs. 569, repr. in ic. ii. 140, and cop. in

Amygdalus. *Park theatr.* 1515. *Dod.* 798, repr. in *Ger. by Johns.* 1445. *Trag.* 1089.

Amygdalus dulcis et amara. *Bauh. J. i. a.* 174.

Amygdalus sativa, fructu majori. *Mill. Ph. ic.* 19. t. 28. f. 1.

α *amara.* Kernel bitter. *Obs.* 6268.—*L. γ. Hort. kew. β*

Petioles often with 2 glands at the end. *Flowers* solitary and in pairs. *Calyx* hypocrateriform; tube lined on the inside with a glandular yellow nectariferous coat. *Corolla* whitish pink. *Obs.* 6268.

AMYGDALA *amara.* Bitter Almond. Kernel. *Pharm. lond.*—*Berg.* 410. *Linn.* 148. *Monro* iii. 12.

Amygdalae amarae. *Alst.* ii. 250. *Cull.* ii. 289. *Herm.* 289. *Lew.* i. 78; *disp. by Dunc.* 139. *Murr.* iii. 256. *Ploucq. bibl.* i. 359. *Rutty* 23. *Schrod.* 531. *Spielm.* 112. *Vog.* 245.

A. amara. *Chom. suppl.* 33. *Dale* 302. *Geoffr.* iii. 83. *Hill* 480. *Mill. Jos.* 33.

Bitter Almond. *Darw.* ii. 682. *Hufeland, account from in phys. journ.* vi. 378. *Phys. journ.* xi. 94. *Pievre, account from in med. rev.* ii. 286.

β *dulcis.* Kernel sweet. From the shops.—*L. β. Hort. kew. α*

AMYGDALA *dulcis.* Sweet Almond. Kernel. *Pharm. lond.*—*Berg.* 409. *Linn.* 148. *Monro* iii. 12.

Amygdalae dulces. *Alst.* ii. 250. *Carth.* i. 323. *Cull.* i. 297. *Fordyce, G. pract.* 235. *Herm.* 369. *Lew.* i. 75. *Murr.* iii. 250. *Mead mon.* ii. 57. *Pears. R. ed.* ii. 292. *Rutty* 23. *Schrod.* 531. *Spielm.* 112. *Stoll med.* iii. 298; *aph. n.* 825. *Und.* i. 355. *Vog.* 245. *Wintr, in Mead mon.* i. 265. 276.

Amygdalae. Quar. febr. 18. 123; anim. 42.

A. dulcis. Pharm. edin.—Dale 302. Geoffr. iii. 75. Hill 479. Lew. disp. by Dunc. 139. Mill. Jos. 33.

A. communis. Bry. 352. Murr. J. i. 390; ii. 27. Pears. R. i. 70.

Sweet Almonds. Neum. ii. 166.

Almond. Clegh. 189.

Amandier. Chom. 107; suppl. 32.

OLEUM amygdalarum. Fordyce, G. pract. 205. Heb. 183. Hufeland, account from in phys. journ. vi. 72. Med. comment. xii. 396. Med. journ. iv. 151. Monro ii. 295. Quar. anim. 178. Quier in lett. & ess. 177. Sauv. nos. i. 683.

Oleum amygdalarum dulcium. Stoll med. ii. 77; iii. 149. Pringle 143.

Oleum amygdalae. Hull phlegm. 294. Pears. R. ed. ii. 293.

Oleum amygdalinum. Quar. febr. 282; anim. 253.

Oil of almonds. Blanc 477. 487. Darw. ii. 40. 58. 130. 205. 312. Denm. i. 269. Und. i. 58; ii. 55. 56. 68.

Oil of sweet almonds. Hull phleg. 268.

16. *PRUNUS nana.* Leaves serrate, lineari-lanceolate, attenuate at the base. Obs. 6269. In a garden.

Amygdalus nana. L. sp. 677. Hort. kew. ii. 162. Curt. mag. t. 161.

Amygdalus indica nana. Pluk. alm. 28; phyt. t. 11. f. 3. Boerh. ii. 245. Mill. Ph. ic. 19. t. 28. f. 2.

Amygdalus persicae foliis, fructu exsucco, villosa. Amm. 194. n. 273. t. 30.

Leaves, lowermost teeth glandular. *Petals* pink, obovato-oblong. *Obs.* 6269.

AMYGDALUS nana. *Lew. disp. by Dunc.* 328. *Thunb. jap.* 199?

3. *Specific character unknown.*

17. *PRUNUS americana.* *Marsh.* 111.

526. CHRYSOBALANUS.

Calyx quinquefid. *Petals* 5. *Style* lateral. *Drupe.* *Nut* quinquesulcate. *Swartz, obs.* 203. *L.*

1. *CHRYSOBALANUS Icaco.* *L. sp.* 681 d, *Jacq., amer.* 8vo. 194. *Hort. kew.* ii. 166.

Chrysobalanus. *Browne* 250. *t.* 17. *f.* 5.

CHRYSOBALANUS Icaco. *Bry.* 244.

527. PLINIA.

Calyx quinquepartite. *Petals* 5. *Drupe* superior, sulcate. *From L. a Murr.*

1. *PLINIA crocea.* *L. mant.* 244. *par.* 3; *a Murr.* 464. *Swartz, obs.* 203.

P. pentapetala. *L. mant.* 402.

PLINIA pinnata. *L. sp.* 735.

528. TOUROLIA.—

Calyx quinquedentate. *Petals* 5. *Berry* bilocular;

cells monospermous. *Seeds villose. From L. a Willd.*

Touroulia. Aubl.

1. TOUROLIA *solitaria.*

ROBINSONIA melanthifolia. L. a Willd. ii. 999.

529. LAGERSTROMIA.

Calyx sexfid. Petals 6, inserted into the calyx. Capsule sexlocular quadrilocular and trilocular; cells polyspermous. From Roxb. Hort. kew. & L. a Schreb. 361. 833. L.

1. LAGERSTROMIA *pliciflora.* Stamina equal. Petals obovate, plaited. *From*

L. reginae. Roxb. i. 46. t. 65. Donn 70.

L. Flos reginae. Retz. obs. v. 25.

ADAMBOE. Raii hist. 1902.

2. LAGERSTROMIA *hirsuta.* Petals flat. Panicle corymbose, terminal. Leaves oblong, pubescent. *L. a Willd. ii. 1178.*

KATOU-ADAMBOE. Raii hist. 1902.

530. SONNERATIA.

Calyx sexfid. Petals 6, subulate. Berry multilocular; cells polyspermous. From L. fl. and Willd.

1. SONNERATIA *acida*. *L. fil. suppl.* 252.
Rhizophora caseolaris. *L. sp.* 635.
MANGIUM caseolare. *Rumph. iii.* 111. *t.* 73.
 74. 75.

531. ONCOBA.

Petals many. *Calyx* monophyllous. *Berry* unilocular, polyspermous. *Forsk.*

1. ONCOBA *spinosa*. *L. a Gmel.* ii. 828.
ONCOBA. *Forsk.* 103. *p.* xciii.

532. ORYGIA.

Petals 5. *Calyx* diphyllous. *Capsule* unilocular, trivalve. *From L. a Gmel.*

1. ORYGIA *portulacifolia*. *Leaves* alternate, cuneiform, glabrous. *Forsk.* 103. *p.* xciii.

T R I G Y N I A.

533. SESUVIUM.

Calyx quinquepartite, coloured. *Corolla* none. *Capsule* ovate, trilocular, cut round, polyspermous.
L.

1. SESUVIUM *Portulacastrum*. *L. sp.* 684. *Hort. kew.* ii. 172. *Swartz. obs.* 204.
Crithmus indicus. Rumph. vi. 165. *t.* 72. *f.* 1.
Aizoon. Browne 241.
Portulaca aizoides maritima procumbens, flore purpureo. Sloane cat. 88; *hist.* i. 204.
SESUVIUM Portulacastrum. Schoepf 79.

P E N T A G Y N I A.

534. MESPILUS.

Calyx quinquefid and quinquedentate. *Petals* 5.
Berry with from 1 to 5 seeds. *Obs.* 3749. *L.*

1. MESPILUS *calycina*. *Calyx* longer than the corolla. Flowers solitary. *Obs.* 3331. In a garden.
M. germanica. L. sp. 684. *Hort. kew.* ii. 172. *Bot. arr.* 515. *Smith brit.* 530; *engl. t.* 1523. *Poll. n.* 474. On a mountain between Hartenberg and Durckheim on which are the ruins of a monastery.—*Host* 275. In Istria, Litorali, and the south of Carniola.—*Gou. hort.* 242. Near Montpellier.—*Willd. ber. n.* 529. In a forest.—*Reich. franc. n.* 322. *Roth germ. i.* 214. In forests in Hesse and Saxony;—ii. 546. Always spinose in its native state.—*Pall. ross. i. t.* 13. *f.* 1. *Gaertn.* ii. 43. *t.* 87.
Native of Italy, France, and Germany.
MESPILA. Alst. ii. 299.

Mespilum. *Herm.* 442.

Mespilus. *Berg.* 417. *Dale* 289. *Herm.* 442.

Linn. 151. *Mill. Jos.* 295. *Murr.* iii. 200. *Rutty* 326. *Schrod.* 625. *Vog.* 266.

Mespili. *Spielm.* 106.

M. germanica. *Bry.* 205. *Krock. n.* 758. *Pears.* *R.* i. 15. 63.

M. vulgaris. *Geoffr. suite* i. 49.

Neflier. *Chom.* 620.

α *lanceifolia*. Leaves lanceolate. *Obs.* 3331. In a garden.—*L. sp.* α

M. germanica stricta. *Hort. kew.* ii. 172.

M. sylvestris. *Mill. Ph. dict. n.* 1.

M. foliis lanceolatis integerrimis subtus tomentosis, calycibus fructus prominentibus. *Guett.* i. 296.

M. germanica, folio laurino non serrato, sive M. sylvestris. *Tourn. paris.* 496. *Vaill. paris.* 126. *Boerh.* ii. 256.

Mespilus. *Raii eur.* 181, in hedges near Viterbo in Tuscany; *syn.* 453. Found by Dubois in all the hedges about Minchiville, (or according to Dr. Smith Minshull in Cheshire.)—*Dod.* 789, *repr. in Lob. obs.* 591; *ic.* ii. 166, &

M. sativa. *Ger. by Johns.* 1453.

M. setania. *Dalech.* 334.

Rhamnus bavaricus. *Dalech.* 142.

M. vulgaris. *Cam. epit.* 154. *Park. par. t.* 569. *f.* 3; *theatr.* 1422. *Bauh. J.* i. *a.* 69. *Raii hist.* 1460.

Leaves acute, serrate from about the midway to the end. *Obs.* 8240. Specimen gathered in the Paris garden.

β *oblongifolia*. Leaves lanceolato-oblong. *Obs.* 3331. In a garden.—*L. sp.* β

- M. germanica diffusa.* *Hort. kew.* ii. 173.
M. germanica. *Mill. Ph. dict. n.* 2.
M. italica, folio laurino non serrato. *Vaill. paris.* 127.
M. folio laurino major. *Boerh.* ii. 256.
M. domestica. *Lob. ic.* ii. 166, *repr. in*
M. sativa altera. *Ger. by Johns.* 1453, & *cop. in*
M. maxima sativa. *Park. theatr.* 1422.
Mespilus. *Trag.* 1014.

Lacæes crenato-serrate; portions of the margin entire. *Obs.* 3331. *Leaves* entire at the margin, oblong, 2 inches broad. *Obs.* 5765. Specimen gathered in the garden of Fothergill.

2. *MESPILUS japonica.* Without spines. Leaves oblong, serrate at the end, tomentose underneath. *Thunb. jap.* 206.
Crataegus Bibas. *Lour.* i. 391.
Arbor sinice Pi-pa dicta, foliis castaneæ haud absimilis. *Pluk. amalth.* 26; *phyt. t.* 371. *f.* 2.
Bywa. *Kaempf.* 800.
MESPILUS japonica. *Thunb. trav.* iv. 89. 90; iii. 214.

3. *MESPILUS Pyracantha.* Leaves serrate, elliptic. *Corymbi* compound. *Obs.* 3748. In a garden. — *L. sp.* 685. *Hort. kew.* ii. 172.
M. spinosa, foliis lanceolato-ovatis crenatis, calycibus fructus obtusis. *All. nic.* 180. *Guett.* i. 297.
Uva ursi. *Dalech.* 134.
M. spinosa, pyri folio. *Boerh.* ii. 257.
Pyracantha quibusdam. *Bauh. J.* i. b. 51, who remarks that the engraver had omitted the flowers and the hollow at the end of the berries.

Oxyacantha Theophrasti. *Ger. by Johns*. 1604, *cop. from*

Pyracantha. *Park. par.* 604. *t.* 605. *f.* 2. *Raii hist.* 1459; *cur.* 211. About Florence and elsewhere in Tuscany.—*Lob. adv.* 438, *cop. in*

Paliurus alter peregrinus. *Lob. ic.* ii. 179, &

Rhamnus tertius Dioscoridis. *Lob. ic.* ii. 182.

(The names of this and the preceding synonym belong to other species)

Calyx quinquedentate. *Styles* 5. *Obs.* 3748.

Native of Italy, Provence, and the neighbourhood of Estampes.

PYRACANTHA. *Dale* 290. *Geoffr. suite i.* 56.

4. *MESPILUS rubra*. Leaves cuneiformi-ovate, crenate, glabrous, crowded at the ends of the branches. Racemi terminal, glabrous. *From*

CRATAEGUS rubra. *Lour. i.* 391.

5. *MESPILUS grossularifolia*.—Leaves cuneiformi-ovate, serrate, somewhat angular, villose underneath. Branches spinose. *L.*

Crataegus foliis cuneiformi-ovatis serratis sub angulatis subtus villosis, ramis spinosis. *Gron. virg.* 76.

M. caroliniana, *apii folio*, *vulgari similis*, major, fructu luteo. *Trew. sel. t.* 17.

M. virginiana, *grossulariae foliis*, fructu rubro minore. *Pluk. alm.* 249; *phyt. t.* 100. *f.* 1.

CRATAEGUS tomentosa. *L. sp.* 682.—*Schoepf* 79.

6. *MESPILUS Oxyacantha*. Leaves obovato-rhombic, semitrifid; segments serrate. *Styles* 2. Berries dispermous. Seeds rugose on the inner side.

Obs. 6683. Specimen from Prof. Jos. F. Jacquin.
 —*Obs.* 8097. In a hedge between Heanor and
 Codnor in Derbyshire. Just come into flower 20
 May, on the same day with *M. monogyna*. Prob-
 ably not indigenous.—*Gaertn.* ii. 43. t. 87.

Crataegus Oxyacantha. *L. suec. n.* 434; *sp.* 683.
 A specimen in the Linnaean herbarium.—*Host* 274.
Poll. n. 472. *Roth germ.* ii. 543. *Jacq. austr.*
 iii. t. 292. f. 2.

Crataegus Oxyacantha major. *H. K.* ii. 170 β . *Bot.*
arr. 512. β

M. sylvestris, foliis trifidis splendentibus. *Vaill.*
paris. 127.

M. apii folio, *sylvestris*, *spinosa*, folio et fructu ma-
 jore. *Dill. ap. Raii syn.* 454? Found by James
 Sherard in the hedge of an orchard at Gadington
 in Northamptonshire, and by Merret in Ricot park
 and elsewhere in Oxfordshire.

Oxyacantha vulgaris, seu *Spinus albus.* *Bauh. J.*
 i. b. 49, descr. including *M. monogyna*.

Flowers somewhat larger than those of *M. mono-*
gyna. *Petals* $3\frac{1}{4}$ to 4 tenths of an inch long. *Obs.*
 8097.

CRATAEGUS Oxyacantha. *Krock. n.* 755.

7. *MESPILUS monogyna.* Leaves pinnatifido-incise;
 segments serrate towards the end. Style 1. Berry
 monospermous. Seed smooth. *Obs.* 3117. In
 hedges, and on Malvern hill in Worcestershire
 pretty high up the sides of the hill.—*Specimen*
 in the Linnaean herbarium, without a name.

M. Oxyacantha. *Smith brit.* 529 α . *Scop. carn. n.*
 590.

Crataegus monogyna. *Bot. arr.* 511; iii. 123. *Retz.*

scand. n. 607. *Sibth. ox.* 156. *Host* 274. *Jacq. austr.* iii. t. 292. f. 1.

Crataegus Oxyacantha. *Fl. dan. t.* 634. In wild pastures.—*Huds.* 214 α . *Gort. belg. foed. n.* 422. *Walc. t.*

The Hawthorn. *Evel. by Hunt.* ii. 94. t. 7, at p. 92.

Crataegus Oxycantha vulgaris. *H. K.* ii. 170.

M. apii folio, sylvestris, spinosa, sive Oxyacantha. *Raii hist.* 1458; *syn.* 453. *Tourn. paris.* 495. *Vaill. paris.* 127. *Boerh.* ii. 256.

Cynosbatus. *Trag.* 984.

Oxyacantha. *Dalech.* 136. *Lob. ic.* ii. 200, *cop. in Spina appendix vulgaris.* *Park. theatr.* 1025.

Oxyacanthus, sive Spina acuta. *Dod.* 738, *repr. in Oxyacanthus.* *Ger. by Johns.* 1327. *Raii hist.* 1458.

Oxyacantha vulgaris, seu Spinus albus. *Bauh. J. i. b.* 49, (misprinted 44,) the descr. comprehending *M. Oxyacantha.* (The fig. is *M. Oxyacantha.*)

Oxyacantha spinosa, minore folio. *Barrel.* 125. t. 563.

Pedicles villose at the end. *Calyx*, tube villose; segments triangular, horizontal, glabrous. *Corolla* 6 tenths of an inch broad; petals $2\frac{1}{4}$ long. *Obs.* 3117.

OXYACANTHA. *Geoffr. suite i.* 53.

Spine alba. *Dale* 290. *Mill. Jos.* 422. *Rutty* 491.

Epine blanche. *Chom. suppl.* 175.

8. *MESPILUS Azarolus*.—Leaves mostly trifid, pubescent; segments obtuse, subdentate. Segments of the calyx ovate. *Willd.*

Crataegus Azarolus. *L. a Willd.* ii. 1007; *sp.* 683. *Hort. kew.* ii. 171. *Gou. hort.* 241. In corn fields and vineyards near Montpellier.

M. orientalis, apii folio subtus hirsuto, fructū magno luteo. *Poc.* ii. 189. n. 60. t. 85. In Palēstine.

M. Aronia veterum. *Bauh. J.* i. a. 67.

M. folio laciniato, spinosa, fructu majore esculento. *Raii hist.* 1458.

M. apii folio laciniato. *Magn. monsp.* 176; *hort.* 135. *Boerh.* ii. 256.

M. Aronia. *Lob. adv.* 443. No fig.—*Dod.* 789. repr. in *Ger.* by *Johns.* 1454, & cop. in

M. Aronia, sive neapolitana. *Park. theatr.* 1423.

M. prima. *Matth.* 252.

CRATAEGUS Azarolus. *Clegh.* 22.

Azerole. *Geoffr. suite i.* 55.

Araroles. *Robins. in ph. tr. abr. by Jones v.* 143.

M. Aronia. *Dale* 290.

9. *MESPILUS nivea.* *Marsh.* 90.

535. PIRUS.

Calyx quinquefid. *Petals* 5. *Pomum* inferior, with from 2 to 5 cells. *Obs.* 2714. *Gaertn.*

Pyrus. *L.*

1. *PIRUS Cydonia.* Flowers solitary. Leaves entire at the margin. From *L. sp.* 687. *Hort. kew.* ii. 176. *Woodv.* ii. 221. t. 79. *Reich. franc. n.* 1000. In hedges near Frankfort.—*Gou. hort.* 243. On the borders of fields and forming hedges near Montpellier.—*Host* 277. In Istria and Austria, in vineyards and hedges and on the sides of roads.—*Lour.* i. 394. *Jacq. austr. t.* 342. *Pomum* round.

Cydonia. *Boerh.* ii. 247.

Malus Cotonea. *Doñl.* 783, repr. in *Ger. by Johns.* 1452, abr. in *Park. par. t.* 591. f. 1, repr. in *Cotonea, et Cydonia mala.* *Lob. obs.* 580, & *Cotonia, et Cidonia mala.* *Lob. ic. ii.* 152, and cop. in

Malus Cotonea vulgaris. *Park. theatr.* 1504.

Cotonea malus. *Fuchs.* 369. c. 141, cop. in *Trag.* 1039. *Bauh. J. i. a.* 27.

Cydonium lusitanicum. *Park. par. t.* 591. f. 2 is represented as having serrate leaves.

Pomum swims in water; cells polyspermous: *Obs.* 8763.

CYDONIA malus. Fruit called Quince. Seed. *Pharm. lond.—Lew. disp. by Dunc.* 289.

Cydonium malum. *Heb.* 121. 128. *Marr. J. i.* 39.

Malus cydonia. *Dale* 288.

Cydonia. *Berg.* 421. *Carth. i.* 280. *Fordyce, G. pract.* 205. *Herm.* 446. *Hill* 511. *Lew. i.* 388. *Linn.* 152. *Mill. Jos.* 169. *Murr.* iii. 196. *Ploucq. bibl. i.* 586. *Quar. febr.* 308. *Reid, T. phthis.* 155. *Schoepf* 80. *Spielmann.* 104. *Vog.* 253. *Wintr. in Mead mon. i.* 228.

Cydonium. *Heb.* 328. *Monro* iii. 85.

Cydonia mala. *Ploucq. bibl. i.* 483. *Rutty* 157.

Mala cotonea. *Alst.* ii. 297.

Pyrus Cydonia. *Bry.* 295. *Krock. n.* 762. *Pears. R. i.* 67; *ed. ii.* 302.

Cotonea mala. *Geoffr.* iii. 366.

Cotonea malus. *Schrod.* 581.

Quince. *Shaw in phys. journ.* xvi. 284.

Coignassier. *Chom.* 606; suppl. 172.

α *sylvestris.* *L. sp. α*

COTONEA malus sylvestris. *Geoffr.* iii. 367!

β minor. *L. sp. γ*

COTONEA malus fructu minori. *Geoffr.* iii. 367.

Mala cotonea minora. *Chom.* 606.

γ major. *L. sp. β*

COTONEA malus fructu majori. *Geoffr.* iii. 367.

Mala cotonea majora. *Chom.* 606.

2. *PIRUS japonica*. Peduncles solitary. Leaves cuneiform, crenate, glabrous. *From Thunb. jap.* 207.

Malus japonica. *Andr. rep.* vii. t. 462.

Buke. Kaempf. amoen. 844.

PYRUS japonica. *Thunb.*

3. *PIRUS Malus*. Peduncles crowded. Leaves serrate, elliptico-oval, acuminate. *Obs.* 2714. In a garden.—*H. K.* ii. 175 α . *L. sp.* 686.

α rubra. Leaves glabrous. Petals 7 tenths of an inch long. Poma of the size of small cherries. *Obs.* 7768. In Mr. Martain's nursery.

Stem 3 to 10 feet long. *Leaves* stil villose at the margin; upper surface glabrous, not shining. *Stipulae* lineari-subulate, 2, inserted into the petiole a little above the base. *Flowers* corymbose. *Obs.* 7768.

β flava. Leaves glabrous. Petals an inch long. Poma of the size of large cherries. *Obs.* 7767. In Mr. Martain's nursery.

Pyrus Malus β *H. K.* ii. 175.

Pyrus prunifolia. *Willd. phyt.* i. 8. n. 26.

Leaves elliptico-oval, acuminate, smooth, unequally serrate, when young serrulate, glabrous, not nitid as in γ when young. *Peduncles* crowded. *Styles* united below into a solid cylinder, villose be-

low. *Obs.* 2715. In a garden.—*Stem* 4 to 10 feet long. *Leaves* glabrous, slightly shining. *Petioles* pubescent above near the base. *Stipulae* lineari-sulcate, inserted into the petiole, 2, opposite. *Flowers* corymbose. *Obs.* 7767.

CRATAEGUS cerasi foliis, floribus magnis. *Mill. Ph. ic.* 179. *t.* 269.

γ *sylvestris.* *Leaves* glabrous. *Fruit* acid, acerb, about the size of a chesnut. *Obs.* 5753. *L. sp. α.* *Huds. α Krock. n.* 761. *Lour. i.* 393. *Bot. arr.* 517. *α. Smith engl. t.* 179; *brit.* 531.

Malus sylvestris, sive agrestis. *Raii hist.* 1448.

Malus sylvestris, fructu valde acerbo. *Vaill. paris.* 124.

Malus sylvestris. *Raii syn.* 452. In woods and hedges.—*Ger. by Johns.* 1461.

Petals scarcely unguiculate, 5 tenths of an inch long. *Styles* united at the base, villose below. *Obs.* 5753. Specimen gathered in a hedge.

MALA sylvestria. *Lew. disp.* 171.

Poma sylvestria. *Schrod.* 653.

Pomum sylvestre. *Murr.* iii. 177.

Malus sylvestris. *Dale* 288. *Mill. Jos.* 283. *Rutty* 303.

Malus agrestis. *Geoffr.* iii. 789.

VERJUICE. *Biss. ess.* 185. *Bromf.* ii. 68. *Mill. Jos.* 283. *Ware epiph.* 28; *ophth.* 51.

Crab juice. *Darw.* ii. 219. 710. 715.

γ *sativa.* *Leaves* villose underneath. *Fruit* more or less sweet. *Obs.* 2714. In a garden.

Pyrus Malus. *Mill. J. ill. t.* *Huds.* 217 β. *Bot. arr.* 517 β

Pyrus foliis serratis, pomis basi concavis. *L. ups.* 130.

Malus sativa. *Raii syn.* 451. In orchards and hedges; *hist.* 1445.

Malus. *Bauh. J. i. a. 1.* *Dod.* 777, repr. in

Malus carbonaria, longo fructu. *Ger. by Johns.* 1459.

Mala Dioscoridis. *Lob. obs.* 590, repr. in *ic.* ii. 165, &

Malus carbonaria. *Ger. by Johns.* 1459.

Malus, sive Pomum. *Boerh.* ii. 249.

Leaves slightly rugose, when young shining above and villose underneath, unequally serrate, mostly obovato-oval. *Petals* from 7 tenths of an inch to an inch long; *ungues* from 1 to $1\frac{1}{2}$ tenth of an inch long. *Styles* villose below. *Obs.* 2714.

MALA dulcia. *Spielm.* 92.

Malum. *Spielm.* 76.

Poma. *Heb.* 3. 280. *Ploucq. bibl.* i. 623. *Quar. anim.* 261. *Stoll med.* iii. 447.

Poma domestica. *Schrod.* 652.

Malus. *Dale* 288.

Malus sativa. *Geoffr.* iii. 774. *Mill. Jos.* 282. *Rutty* 303.

Pyrus Malus. *Bry.* 290. *Pears. R.* i. 67. *Schoepf* 79.

Apples. *Clegh.* 189. *Cull. clin.* 68. *Fordyce, G. fev.* ii. 36; iii. 195. 196; *W. fev.* 206. *Lind seam.* 20. *Monro, Don. sold.* ii. 185. *Rush* i. 113. 241; iii. 285; v. 120. *Trott.* ii. 163. *Und.* i. 322.

MOLOSSES. *Dudley in ph. tr. abr. by Reid & Gray* vi. part iii. 320; & *by Hutt.* vi. 618.

CYDER. *Darw.* ii. 125. 217. 218. 245. *Dwight, account from in phys. journ.* i. 286. *Fordyce,*

W. fev. 220. *Geach in med. tr.* ii. 243. *Mudge*

ib. 246. *Lempr.* ii. 174. 178. 191. *Lind seam.*

20. *Pears. R.* i. 105. *Rush* ii. 70. 241; iii. 293.

Sims, James epid. 22. 28. 33.

δ *renetia. POMUM* renetium. *Berg.* 418.

ε *rubelliana. POMUM* rubellianum. *Murr.* iii. 177.

ζ *borsdorffiana. POMA* borsdorffiana. *Pharm. austriaco-prov.* 58.

Poma borstorfiana. Quar. febr. 19.

Poma borsdorffiensia. Linn. 152.

Pomum borsdorffianum. Berg. 418. *Vog.* 261.

Pomum borsdorffianum. Murr. iii. 177.

4. *PIRUS Pollveria.* Flowers corymbose. Leaves serrate, tomentose underneath. *From L. mant.* 244. *Roth germ.* i. 215; ii. 549. *Hort. kew.* ii. 175.

PIRUS Polwilleriana. Bauh. J. i. a. 59.

5. *PIRUS communis.* Flowers corymbose. Leaves elliptico-oval; margin serrate. *Obs.* 2716. In a garden.—*L. sp.* 686. *Smith brit.* 531. *Huds.* 216. *Lour.* i. 393. *Bot. arr.* 516. *Sibth. ox. n.* 451.

P. Achras. Gaertn. ii. 44. t. 87.

- α *spinosa.* Branches spinose. *From authors.*

Pyrus communis. L. suec. n. 436. *Poll. n.* 477.

On Mount Donnersberg, and on rocks in woody mountains near Steinbach in the Palatinate.—*Gou. hort.* 242. Near Montpellier.—*Roth. germ.* i. 214; ii. 548. *Scop. carn. n.* 598.

Pyrus sylvestris. Magn. monsp. 215. In the hedges of vineyards.—*Vaill. paris.* 166.

Piraster, seu P. sylvestris. Bauh. J. i. a. 57. No

fig. In Switzerland in mountainous situations, in Germany France and Italy in woods hedges and borders of fields.

Pyraster, sen *Pyrus sylvestris*. *Raii syn.* 452, in woods and hedges; *hist.* 1451.

Pyrum strangulatorium majus. *Ger. by Johns.* 1458.

PYRUS sylvestris. *Rutty* 419.

β *inermis*.—Branches without spines. *Obs.* 2716. 8629.

In a hedge, a young tree, probably a seedling.

Pyrus communis. *Smith engl. t.* 1784. *Huds.* 216

β. *Bot. arr.* 516 β. *L. sp.* β to α

Pyrus foliis serratis, pomis basi productis. *L. ups.* 130.

Pyrus sativa. *Raii syn.* 452. In orchards and hedges.—*Bauh. J. i. a.* 35. *Boerh. ii.* 247. *Vaill. paris.* 166.

Pyrus. *Raii hist.* 1450. *Dalech.* 308. *Dod.* 788, repr. in

P. superba, sive katherina. *Ger. by Johns.* 1456.

Pyra Dioscoridis. *Lob. obs.* 590, repr. in *ic. ii.* 165, &

Pyrum strangulatorium majus. *Ger. by Johns.* 1457.
(The name and descr. belong to α.)

Pyra. *Matth.* 251.

PYRUS. *Berg.* 419. *Dale* 288. *Geoffr. suite ii.* 123. *Krock. n.* 760. *Mill. Jos.* 365. *Schrod.* 658.

Pyri. *Spielm.* 109.

Pyrus sativa. *Rutty* 418.

Pyrus communis. *Bry.* 276. *Pears. R. i.* 67.

Pears. *Fordyce, G. fev.* iii. 195. 196; *W. fev.* 159. 167. 206. *Monro, Don. sold.* ii. 185.

PERRY. *Pears. R. i.* 105.

6. *PIRUS coronaria*. Flowers corymbose. Leaves cordate, inciso-serrate, angular, glabrous. *From H. K.* ii. 176. *Bartr. W. trav.* 396.

PYRUS-MALUS coronaria. *Marsh.* 118.

7. *PIRUS sanguisorbifolia*. Flowers corymbose. Leaves oval, serrate. *Obs.* 5757. Specimen gathered in the garden of Fothergill.

Pyrus Amelanchier. *L. fil. suppl.* 256. *Host* 276. *Roth germ.* i. 214. In the Hartz forest and Franconia.

Mespilus Amelanchier. *L. sp.* 685. *Hort. kew.* ii. 173. *Scop. carn. n.* 595. *Jacq. austr. t.* 300.

Crataegus fructu nigro. *Vaill. paris.* 43.

M. folio rotundiori, fructu nigro subdulci. *Tourn. paris.* 496. *Vaill. paris.* 127. Fruit quinquelocular; cells monospermous.—*Boerh.* ii. 257.

Vaccinia alba. *Ger. by Johns.* 1416, repr. from

Vitis idaea III. *Clus. pann.* 81, which repr. in *hist.* i. 62, and the branch in flower cop. in *Park. theatr.* 1457, outer fig.—Inner fig. cop. from

Amelanchier. *Lob. obs.* 608, which repr. in *ic.* ii. 191. *Raii eur.* 61. On mountains near Geneva and bordering the Rhine.

Hamamelis Athenaei latiore folio. *Dalech.* 203.

Hamamelis Athenaei angusto folio. *Dalech.* 203.

Diospyros. *Bauh. J.* i. a. 75. No fig.—*Raii hist.* 1461.

Native of Italy, France, Switzerland, and Germany.

DIOSPYRUS. *Dale* 289.

8. *PIRUS tenuifolia*. Flowers corymboso-racemose. Leaves serrate, oblongo-elliptic, cuspidate. *Obs.* 7362. In a garden.

Mespilus canadensis. *L. sp.* 685. *Hort. kew.* ii. 173.

(*Mespilus inermis*, foliis subtus glabris obverse ovatis. *Gron. virg.* 54, is probably *P. arbutifolia* examined when the leaves were nearly or quite glabrous.)

Leaves very thin, oblongo-elliptic and ovali-elliptic, rounded at the base, at first pubescent, becoming glabrous before the petals are fallen off. *Petioles* without glands. *Calyx* glabrous without, pubescent within. *Petals* lanceolate and lanceolato-oblong. *Germs* roundish, the greater part invested by the calyx. *Obs.* 7362. Going out of flower. 10 May.

PYRUS Botryapium. *Ehrh. ap. L. fil. suppl.* 255.

9. *PIRUS ovalis.* Flowers corymboso-racemose. Leaves subrotundo-elliptic, acute; glabrous. Petals obovate. Germs and calyces pubescent. *Obs.* 5764. Specimen of racemi and young leaves gathered by Dr. Cutler in New England.—*L. a Willd.* i. 1014. *PYRUS.* *Cutl.* 450.

2. *Leaves divided.*

10. *PIRUS septiloba.* Leaves septemlobate; lowermost lobes divaricate. *Obs.* 4411. Specimen gathered on the edge of the cliff at Clarkton-leap near Worcester, and in woods in Worcestershire, on red clay. *Pyrus torminalis.* *Smith brit.* 532. *L. a Willd.* ii. 1021. *Ehrh.*
- Crataegus torminalis.* *L. sp.* 681. *Bot. arr.* 511. *Smith engl. t.* 298. Leaves not well done.—*Roth germ.* ii. 543. *Gou. hort.* 241. Near Montpelier.

—*Host* 274. *Poll. n.* 471. *Fl. dan. t.* 798. *Jacq. austr. t.* 443. *Mart. cant.* 11.

Crataegus folio laciniato. *Tourn. paris.* 425. A fruit containing pepins. *Vaill. paris.* 43. *Boerh. ii.* 248.

Mespilus apii folio, sylvestris non spinosa, sive Sorbus torminalis. *Raii hist.* 1457; *syn.* 453.

The wild Service tree. *Evel. by Hunt. i. t. at p.* 176.

Sorbus torminalis vulgaris. *Park. theatr.* 1420, *cop. in*

Sorbus torminalis. *Bauh. J. i. a.* 63.—*Llwyd in in ph. tr. abr. by Jones v. part ii.* 122; and by *Hutt. vi.* 20. Near Brecknock.—*Cam. epit.* 162. *Edw. G. glean. i. 2. t.* 212. In fruit.—*Dod.* 791, *repr. in Lob. obs.* 614; *ic. ii.* 100, *Ger. by Johns.* 1471, &

Sorbus torminalis Plinii. *Clus. hist. i.* 10.

Sorbus torminalis. *Trag.* 1010, *repr. in Cord. fol.* 176. *p. 1, & cop. in*

Crataegus Theophrasti. *Dalech.* 99, 332.

Native of Italy, France, Germany, and England as far north as Oxfordshire Worcestershire Cambridge-shire and Suffolk.

SORBUS torminalis. *Dale* 290. *Geoffr. suite iii.* 111. *Mill. Jos.* 419.

Crataegus torminalis. *Bry.* 160.

11. *PIRUS Aria.* *Corymbi* compound. Leaves elliptico-oval, doubly serrate and inciso-pinnatifid, tomentose underneath. Styles 2. Poma bilocular. *Obs.* 6060. In the shrubbery at Chatsworth in Derbyshire.—*Smith brit.* 534. *L. a Willd. ii.* 1021. *Ehrh.*

Crataegus Aria. *L. suec. n.* 433; *sp.* 681 *a.* *Bot. arr.* 510. *Fl. dan. t.* 302. *Mill. J. ill. t.* *Huds.* 214. Chiefly in mountainous situations and on calcareous soil.—*Host* 274. *Gou. hort.* 240. Near Montpelier.—*Sibth. ox. n.* 448. Woods and hedges in calcareous soil — *Fl. dan. t.* 302.

Sorbus Aria. *Crantz austr. ii.* 86. *t.* 2. *f.* 2.

Mespilus Aria. *Scop. carn. n.* 591.

Mespilus alni folio subtus incano, *Aria Theophrasti dicta*. *Raii syn.* 453.

Crataegus folio subrotundo serrato. *Vaill. paris.* 42. *Boerh. ii.* 248.

Aria. *Dalech.* 202.

The Whitebeam tree. *Evel. by Hunt. t.* at *p.* 175.

Sorbus alpina. *Bauh. J. i. a.* 65.

Aria Theophrasti. *Lob. adv.* 435, *repr. in ic.* ii. 167, & *Ger. by Johns.* 1327, & *cop. in*

Sorbus sylvestris, *Aria Theophrasti*. *Park. theatr.* 1421.

Sorbus sylvestris anglicus. *How* 117. *Raii hist.* ii. 1459; *praef. p.* v.

Sorbus Aria cognominata. *Clus. hist. i.* 9. No fig. — *How* 116.

Poma cylindrico-oval, scarlet, dotted; dots scattered, white; valves of so loose a texture as scarcely to be distinguished from the pulp. *Seeds* 2 in each cell, seldom more than 1 in a pomum coming to perfection, obovate, flat on one side, convex on the other. *Obs.* 6060.

Native of Europe from Italy to Lapland.

ARIA. *Dale* 289.

Crataegus Aria. *Bry.* 160.

Crataegus. *L. lapp. n.* 199.

3. *Leaves pinnate*. L. a Gmel.

12. *PIRUS aucuparia*. Folioles oblong, distinct from the petiole, serrate. *Obs.* 8758. Specimen gathered in Cumberland.—*Gaertn.* ii. 45. *t.* 87. *Smith brit.* 533.

Sorbus aucuparia. *L. lapp. n.* 200; *suec. n.* 435; *sp.* 683. *Vaill. paris.* 189. *Boerh.* ii. 248. *Bot. arr.* 513; iii. *p.* cxxiii. *Smith engl. t.* 337. *Bauh. J.* i. a. 62. *Gou. hort.* 241. Near Montpellier.—*Mill. J. ill. t.* *Crantz. austr.* ii. 88. *t.* 1. *f.* 4. Pomum.—*Fl. dan. t.* 1034.

Mespilus aucuparia. *Scop. carn. n.* 593.

Sorbus foliis pinnatis. *Guett.* i. 299.

Sorbus sylvestris, foliis domesticæ similis. *Raii hist.* 1457; *syn.* 452.

Ornus. *Dod.* 822, repr. in

Sorbus sylvestris, sive *Fraxinus bubula*. *Ger. by Johns.* 1473, & cop. in

Sorbus sylvestris alpina. *Lob. obs.* 544, which repr. in *ic.* ii. 107, & cop. in

Sorbus torminalis. *Dalech.* 99, &

Ornus, sive *Fraxinus sylvestris*. *Park. theatr.* 1419, but without the flowers.

Sorbus sylvestris. *Matth.* 263. *Cam. epit.* 161. *Dalech.* 332.

The Quicken tree. *Evel. by Hunt.* i. *t.* at p. 211.

Panicles fastigate. *Obs.* 3116. A planted tree, Native of Europe from Italy to Lapland.

SORBUS aucuparia. *Berg.* 415. *Krock. n.* 756. *Linn.* 151. *Murr.* iii. 203. *Vog.* 267.

S. sylvestris. *Geoffr. suite* iii. 107.

Ornus. *Dale* 289.

13. *PIRUS Sorbus*. Folioles ovato-oblong, dentato-

serrate; margin contiguous to the petiole. *Obs.* 3115. In the forest of Wire in Worcestershire, where there are regular falls of wood.—*Gaertn.* ii. 45. *t.* 87.

SORBUS. *Dale* 289. *Geoffr. suite* iii. 104. *Mill.* *Jos.* 419. *Rutty* 490. *Schrod.* 685.

Sorba. *Spielm.* 109.

Sorbus domestica. *Berg.* 416. *Bry.* 214. *Krock.* n. 757. *Vog.* 267.

a obovata. *Pomum obovate.* *Obs.* 3115.

Pear Service. *Edw. G. glean.* i. 1. *t.* 211, the separate pomum.

Pyrus domestica. *Smith engl. t.* 350; *brit.* 532.

Sorbus domestica. *L. sp.* 684. *Bot. arr.* 514, where at l. 11 from the bottom read mountainous parts of Cornwall and Staffordshire. *R. syn.* In the middle of a thick wood in the forest of Wire near Bewdley in Worcestershire, one mile from Mopson's Cross between that and Dowles brook. *St.—Mill. Ph. dict. n.* 2, who says that it must be grafted upon a pear stock.—*Reich. franc. n.* 999. About Frankfort.—*Roth germ.* i. 214. About Erford, Frankfort on the Main, Frankfort on the Oder, Nauenburg, and Tübingen.—*Crantz. austr.* ii. 87. *t.* 2. *f.* 3. *Pomum.*—*Jacq. austr. t.* 447. *Host* 275. About villages and vineyards.—*Cám. epit.* 160. *Matth.* 261. *Asso n.* 430. *Lob. adv.* 416. No fig.—*obs.* 544, *repr. in ic.* ii. 106,

Sorbus. *Dod.* 791, *Ger. by Johns.* 1471, &

Sorbus legitima. *Clus. hist.* i. 10, and *abr. in Park. theatr.* 1420. *Llwyd in ph. tr. abr. by Jones v.* part ii. 118; and *by Hutt.* vi. 20. On Y Vánn uwch deni a mountain near Brecknock.

Sorbus. *Dalech.* 330. *Fuchs.* 554. *c.* 220, *cop. in*

Bauh. J. i. a. 59. In woods.—*Raii hist.* 1456; *eur.* 240. On mountains above Messina in Sicily; *syn. ed. i.* 219; *ed. iii.* 452. Observed by Moyle and Stevens in many places in the mountainous parts of Cornwall, and said by Plot to grow wild in many places of the Morelands of Staffordshire.

Sorbus sativa. Vaill. paris. 189. *Boerh. ii.* 248.

Sorbus sativa, fructu pyriformi medio pubescente.

Pitt in ph. tr. x. 979. *n.* 139. In a forest in the county of Worcester.

Sorbus pyriformis. Pitt in ph. tr. abr. by Lowth. ii, 652; and by *Hutt. ii.* 434. *Ray in Camd. by Gibs.* 528.

The Service tree. *Le Pluche nat. del. ii. t.* 18. No fructifications.

Sorba. Cam. epit. 161.

A single tree of the size of a pear tree, old, with few branches. *Poma* becoming mellow like a medlar. Possibly the individual tree seen by Pitts. There are no remains of house or garden near it, but as in the course of a century it does not appear to have propagated itself one might be inclined to believe it not even naturalised. Roth however informs us that it seldom begins to bear fruit till 60 years old. Its progeny therefore may have been mistaken for *P. aucuparia*. The gardeners in the neighbourhood have attempted to graft it without success. *Obs.* 3115.

Native of Sicily, Italy, Spain, France, Germany, Cornwall, Brecknockshire, and Worcestershire. Not now found in Staffordshire, which has induced some to doubt whether Plot did not mistake *P. Aria* for it.

♂ *rotunda.* Pomum round. *From*

PENTAGYNIA. 537. Mesembryanthes. 127

The apple Service. *Edw. G. glead. i. 1. t. 211.* In fruit.

536. TETRAGONIA.

Calyx tripartite quadripartite and quinquepartite.
Corolla none. *Drupe* inferior. *Nut* with from 3 to 8 cells. *Hort. kew. L.*

1. TETRAGONIA *quadricornis*. Fruit with 4 horns.
Leaves deltoideo-ovate. *Obs.* 8368. Specimen gathered for me by Murray in the Gottingen garden.
T. expansa. *Murr. ap. L. a Murr.* 467. *Hort. kew.* ii. 178. *Thunb. in lin. tr.* ii. 335. *Haw. misc.* 119.
Demidovia tetragonoides. *Pall. hort. t. 1.*
TETRAGONIA *halimifolia.* *Forst. G. esc.* 67.

537. MESEMBRYANTHES.

Calyx superior, pentaphyllous and tetraphyllous.
Petals numerous, linear. *Capsule* fleshy, polyspermous. *Obs.* 5835.

Mesembryanthemum. *L. Vent. tabl. t. 19. f. 3.*

1. *Corolla* white. *L.*

1. MESEMBRYANTHES *nodiflorus*. Leaves rather terete, alternate, obtuse, ciliate at the base.
L. sp. 687. *Hort. kew.* ii. 178. *Woodv.* 387.
Haw. mes. 118; *misc.* 54.
Kali floridum repens neapolitanum. *Col. ecphr.* ii. t. 73, cop. in *Park. theatr.* 1285.

SODA. Murr. iv. 286.

Souda. Berg. 182.

2. *MESEMBRYANTHES crystallinus*. Leaves ovate, papulose. Flowers sessile. Phylla ovate, acute. Obs. 8216. In a garden.—*L. fil. suppl.* 259. *Hort. kew.* i. 179. *Gou. hort.* 243. *Haw. mes.* 113; *misc.* 43.

Ficoides africana, folio plantaginis undulato micis argenteis adperso. *Boerh.* i. 291.

Flowers not expanded. *Calyx* pentaphyllous; 2 outer phylla foliaceous, trilobate, lobes nearly equal, middlemost segment acute; 3rd phyllum bilobate, oblique, inner segment acute; 2 inner phylla obtuse with a mucro projecting from the under surface below the end. Obs. 8216. 20 Oct.

MESEMBRYANTHEMUM crystallinum. Murr. vi. 128. *Wendt*, account from in *phys. journ.* vi. 371.

2. *Corolla* yellow. *L.*

3. *MESEMBRYANTHES edulis*.—Leaves triquetrous, acute, straight, without dots; connate; sides equal; keel subserrate. Stem twoedged. *L.*

MESEMBRYANTHEMUM edule. *Haw. mes.* 392; *misc.* 76.—*L. sp.* 695.

POLYGNIA.

538. SPIRAEA.

Calyx inferior, quinquefid and septemfid. *Petals* 5.

Capsules several, bivalve, containing from 1 to 3 seeds. *Obs.* 3889. *L.*

1. SPIRAEA *tuberosa*. Leaves interruptedly pinnate, glabrous; folioles oblong. Calyces septemfid; segments rounded. *Obs.* 3889. Specimen gathered near Worcester.—*Sal. R. hort.* 364.

S. Filipendula. L. sp. 702. *Bot. arr.* 518. *Smith engl. t.* 284. *Fl. dan. t.* 635.

Oenanthe. Fuchs. 542. c. 214, *cop. in*

Daucus pratensis Dalechampii, folio millefolii. Bauh. J. iii. b. 9, (the name and descr. belonging to *Sison verticillatum*,) & *abr. in*

Filipendula. Trag. 883. *Bauh. J. iii. b. 189.* (The fig. is *Sison verticillatum*.) *Raii syn.* 259. *Dod.* 56, *repr. in Ger. by Johns.* 1058,

Oenanthe Filipendula. Lob. obs. 420; *ic. i.* 729, &

Filipendula vulgaris. Clus. hist. ii. 211, & *cop. in*

Filipendula major. Park. theatr. 435.

Filipendula, Oenanthe multorum. Dalech. 782.

Filipendula minor. Park. theatr. 435.

FILIPENDULA. Berg. 422. *Dale* 163. *Geoffr.* iii. 469. *Mill. Jos.* 197. *Murr.* iii. 118. *Rutty* 200. *Schrod.* 590. *Spielm.* 266. *Vog.* 238.

S. Filipendula. Krock. n. 765. *Linn. am. v.* 67.

Filipendula vulgaris, an Molon Plinii. Chom. 243.

Saxifraga rubra. Linn. 152.

2. SPIRAEA *contorta*. Leaves interruptedly pinnate, hoary underneath; folioles ovate. Calyces quinquefid; segments acute. *Obs.* 3891. In wet meadows.

S. Ulmaria. *L. suec.* n. 440; *sp.* 702. *Curt. lond.* v. 33. t. 340. *Fl. dan.* t. 547. *Bot. arr.* 519. *Smith brit.* 536. *Gou. hort.* 245. Near Montpellier.

Filipendula. *L. lapp.* n. 201.

Ulmaria. *Raii hist.* 623; *syn.* 259. *Boerh.* i. 295. *Bauh. J.* iii 488.

Regina prati. *Dod.* 57, *repr. in Ger. by Johns.* 1043, & *cop. in*

Ulmaria vulgaris. *Park. theatr.* 592.

ULMARIA. *Berg.* 424. *Chom.* 274. *Dale* 163. *Geoffr. suite* iii. 382. *Krock. n.* 766. *Lew.* ii. 474; *disp.* 263. *Linn.* 153. *Mill. Jos.* 458. *Murr.* iii. 120. *Rutty* 550. *Schrod.* 703. *Vog.* 244.

Barba caprae. *Pharm. austriaco-prov.* 22.

3. SPIRAEA trifoliata. Leaves ternate; folioles serrate, nearly equal. *Obs.* 6994. Specimen gathered in the garden of Fothergill.—*L. sp.* 702. *Hort. kew.* ii. 200. *Curt. mag. t.* 489.

Filipendula foliis ternatis. *Gron. virg.* 55. *Roy.* 529.

Filaments very short, inserted into the upper part of the calyx on the inside, at different heights. *Obs.* 7182. From Mr. Hunter's nursery.

SPIRAEA trifoliata. *Bart.* 26. *Coxe* 377. *Schoepf* 80.

Ipecacuanha virginiana. *Murr.* i. 523.

Ulmaria americana. *Dale* 421. col. 1. par. 1.

539. ROSA.

Petals 5. *Calyx* inferior, hypocrateriform; tube con-

tracted at the mouth; limb quinquepartite. *Berry* unilocular, polyspermous, formed from the tube of the calyx. *Obs.* 8162. *L.*

1. *Segments of the calyx entire.*

R. macrostylis.

1. *ROSA moschata.* Tube of the calyx ovate, villose. Peduncles villose. Stem and petioles aculeate. Folioles oblong, acuminate, glabrous. Panicles multiflorous. *Hort. kew.* ii. 207. *Mill. Ph. dict.* n. 13.

R. moschata minor, flore simplici. *Bauh. J.* ii. 45. *Raii hist.* 1474.

R. moschata, flore simplici. *Lob. ic.* ii. 207, repr. in

R. moschata, simplici flore. *Ger. by Johns.* 1265.

R. damascena. *Dalech.* 125.

ROSA moschata. *Dale* 293. *Geoffr. suite* ii. 235.

R. moschata simplici flore. *Chom.* 13; suppl. 4.

2. *ROSA caroliniana.* Tube of the calyx globular, hispid; segments entire and 3 and 1 with a single appendage. Peduncles hispid and glabrous. Stem mostly with prickles at the base of the leaves; internodia sometimes with numerous softish prickles. Petioles sometimes prickly. Folioles elliptic. *Obs.* 5996. In a garden.—*Obs.* 5997. Specimen gathered by Dr. Cutler in New England.—*Michaux* i. 295.

ROSA carolina. *Duroi obs.* 21. *H. K.* ii. 203.

L. sp. 703.—*Schoepf* 81.

Rosa. *Cutl.* 451.

2. *Three of the segments of the calyx pinnate.**R. caroliniana.*3. *ROSA macrostylis.* Styles united, as long as the stamina. *Obs.* 2564. In hedges.*R. arvensis.* *L. Bot. arr.* 521. *Smith engl. t.* 188.*R. sylvestris altera minor, flore albo nostras.* *Raii syn.* 455.*R. sylvestris altera, flore albo nostras.* *Vaill. paris.* 173.*R. sylvestris, folio glabro, flore plane albo.* *Bauh. J.* ii. 44.*Peduncles* hispid, mostly aggregate, sometimes in twos and solitary. *Calyx*, tube ovate. *Obs.* 2564.—*Phylla* without pinnae. *Obs.* 6049. In a field.A second set of flowers. *Sept.**ROSA arvensis.* *Mitsching, account from in phys. journ.* iii. 271.β (Variation.) *Huds.* 219. *Peduncles* sometimes solitary. *Obs.* 5069.*R. alba.* *Walc. t.**R. canina sylvestris, unico flore et fructu.* *Dill. ap.**Raii syn. indicul. pl.* 9, from James Sherard's herbarium.4. *ROSA villosa.* Tube of the calyx globular, mostly hispid. *Peduncles* hispid. Stem and petioles acuminate. Leaves and younger branches villose. *Obs.* 8147. In Mr. Thomson's nursery.—*L. suec. n.* 1295; *sp.* 704; *mant.* 399; *a Murr.* 474. *Roth germ.* ii. 556. *Hort. kew.* ii. 203. *Bot. arr.* 523 *α.* *Lightf.* 261. *Retz. obs.* i. 19. *n.* 55. *Gou. hort.* 245. Near Montpellier.—*Smith engl. t.* 583.

R. sylvestris, fructu majore hispido. *Raii syn.* 454.
Observed by Dale in hedges.

R. sylvestris pomifera major nostras. *Raii syn.* 455. In the mountainous parts of Yorkshire and Westmorland.

R. pomo spinoso, folio hirsuto. *Bauh. J.* ii. 38.
Found by Cherler on Mons Calcar, and on the declivities of Hortus Dei.—*Magn. monsp.* 223.

R. pomifera major. *Purk. par.* 420. *t.* 419. *f.* 7.
Berry oval.—*Raii hist.* 1472.

Peduncles aculeate and hispid; aculei numerous crowded straight; hairs globular at the end. *Obs.* 8147.—*Berries* hispid, red. *Obs.* 6149. In Mr. Wilkinson's garden.

ROSA villosa. *Spielm.* 425.

5. *ROSA centipetala*.—Tube of the calyx ovate, hispid. Peduncles hispid. Stem hispid, aculeate. Petioles glandular. Folioles ovate, serrate, pilose underneath. *Duroi*.

R. centifolia. *Duroi obs.* 26. *L. sp.* 704. (*Woodv.* iii. 379. *t.* 140, is more like *R. provincialis*.)

R. centifolia batavica. *Clus. hist.* i. 113, repr. in

R. provincialis, sive *damascena.* *Ger. by Johns.* 1261.

R. multiplex media. *Boerh.* ii. 252. *n.* 28.

(*R. damascena.* *Lob. obs.* 618, repr. in *ic.* ii. 206,
&

R. alba. *Ger. by Johns.* 1260, has too many and too strong prickles on the stem, and the segments of the calyx are entire.)

ROSA centifolia. *Pharm. edin.*—*Lew. disp. by Dunc.* 296. *Murr. J.* ii. 56.

R. rubra. *Linn.* 153. *Quar. anim.* 232.

R. damascena. *Pharm. suec.*—*Berg.* 426. *Krock.* n. 775.

Rosac. *Quar. anim.* 96.

6. *ROSA gallica.* Tube of the calyx subrotundo-turbinate, with glandular hairs at the base. Peduncles hispid. Stem and petioles hispid and aculeate. Folioles ovali-elliptic, slightly villose underneath; margin with glandular hairs. *Obs.* 2536. In a garden.—*L. sp.* 704; *mant.* 399. *Hort. kew.* ii. 205. *Woodv.* iii. 382. t. 141.

α officinalis.—*Hort. kew.* ii. 205 *α*

Stem 2 feet long, erect, with few or no aculei below. *Folioles* glabrous above. *Style* compound, as long as the shorter stamina. *Obs.* 2536.

Rosa. *Cam. epit.* 98, the inner of the 2 upper figures.

R. rubra. *Bauh. J.* ii. 34.

R. intense rubens. *Cam. hort.* 143. No fig.

R. purpurea sanguinea. *Lob. adv.* 446. No fig.

Rosa. *Dalech.* 424.

R. anglica rubra. *Park. par.* 412. No fig.

Petals cuneiformi-obcordate, 1 inch 8 tenths long, 2 inches 1 tenth broad, obscurely marbled with lighter and dark shades of purplish crimson. *Obs.* 2536.

ROSA gallica. *Petals.* *Pharm. edin.*—*Lew. disp.* by *Dunc.* 296. *Murr. J.* i. 217; ii. 55. *Pears.* *R. ed.* ii. 354.

R. rubra. Red Rose. *Petals.* *Pharm. lond.*—*Alst.* ii. 206. *Berg.* 428. *Carth.* iv. 240. *Cull.* ii. 34. *Dale* 293. *Fordyce, G. pract.* 207; *sev.* iv. 182. *Heb.* 27. 281. 357. *Krock.* n. 776. *Lew.* ii. 277. *Mill. Jos.* 376. *Murr.* iii. 166.

Pringle 139. 166. *Rutty* 432. *Und.* ii. 64. *Vog.* 149 α

Rosae rubrae. *Fordyce, G. pract.* 153. *Herm.* 613. *Mead mon.* i. 57. 144. *Quar. febr.* 238. 240. *Schrod.* 663. *Spiclm.* 423. *Wintr. in Mead mon.* i. 212. 233.

Red Rose. *Aitk. midw.* 136: *Monro* iii. 237. *Und.* i. 133. 144.

Rose. *Monro, Don. sold.* ii. 44. *Reid, T. phth.* 289. *Und.* ii. 62.

Rosae. *Rogert in act. haun.* i. 189.

7. *ROSA provincialis.* Tube of the calyx turbinate, with glandular hairs. Peduncles and petioles with prickles and hairs. Folioles oval, glandular below. *Obs.* 2492. In a garden.—*Mill. Ph. dict.* n. 18. *Duroi obs.* 19. *H. K.* ii. 204.

ROSA rubra, seu provincialis. *Geoffr. suite* ii. 240.

R. pallida. *Dale* 293. n. 4.

R. purpurea. *Vog.* 149.

Roses de Provins. *Chom.* 608.

8. *ROSA damascena.* Tube of the calyx oblong, hispid with glandular hairs; limb retroflex. Serratures of the folioles without glands. *Obs.* 2543. In a garden.—*Duroi obs.* 27. *Hort. kew.* ii. 205. *Mill. Ph. dict.* n. 15. *Park. par.* 413. t. 415. f. 1.

R. sativa 2. *Dod.* 187. No fig.

R. purpurea. *Bauh. pin.* 481.

R. provincialis, sive damascena. *Ger. by Johns.* 1261. Too double.

Rosa. *Trag.* 986.

Branches green, not rorid as in *R. alba*; smaller branches aculeate. *Folioles* elliptico-oval, acute, somewhat conduplicate, whitish green above, greenish whitish underneath; serratures not glandular, slightly villose, margin above brownish red. *Peduncles* with glandular hairs. *Calyx*, tube obovate, attenuate below, contracted at the neck; hairs short. *Corolla* semidouble. *Berries* oblongo-turbinate, hispid, scarlet. *Seeds* oval, angular, bony, 3 tenths of an inch long, 1 to 3 fertile, the rest abortive. Accords with *R. provincialis* and *R. gallica* in calyx and peduncles. *Obs.* 2543.

ROSA damascena. Damask Rose. Petals. *Pharm. lond.*—*Alst.* ii. 206. *Dale* 292. *Lew.* ii. 275; *disp. by Dunc.* 296; *by Rother.* 226. *Linn.* 154. *Mill. Jos.* 375. *Monre* iii. 236. *Murr.* iii. 157.

R. pallida. *Dale* 293. n. 3.

Rosae pallidae. *Herm.* 588. *Quar. febr.* 120. 137. *Schrod.* 663. *Spielm.* 424.

R. purpurea. *Vog.* 149.

R. rubra pallidior. *Chom.* 12; *suppl.* 3.

Damask Rose. *Fordyce, G. fer.* ii. 54.

SYRUP of Roses. *Und.* i. 22. 54. 55.

ROSE WATER. *Und.* ii. 33.

9. *ROSA canina.* Tube of the calyx oval, mostly glabrous. Peduncles glabrous. Stem and petioles aculeate. Aculei recurvate. Folioles glabrous on the upper and under surfaces. *Obs.* 8162. In hedges.—*L. suec.* n. 441; *sp.* 704; *mant.* 399. *Walc. t. Curt. lond.* v. 34. t. 299; *mat. med. t.* 15. *Fl. dan. t.* 555. *Duroi obs.* 23. *Woodv.* iii. 377. t. 139. *Bot. arr.* 523. *Smith brit.* 540; *engl. t.* 992. *Trag.* 986, Bedeguar on the lower branch; *abr. from*

Rosa. *Fuchs.* 626. c. 255, which cop. in

R. candida plena et semipleua. *Bauh. J.* ii. 45,
(name and descr. belonging to *R. alba.*)

R. sylvestris, incarnato flore. *Boerh.* ii. 152.

R. sylvestris inodora, sive canina. *Park. theatr.*
1017. *Raii hist.* 1470; *syn.* 454.

R. canina inodora. *Ger. by Johns.* 1270. (The
fig. *R. spinosissima.*)

R. sylvestris vulgaris, flore odorato. incarnato.
Tourn. paris. 527. *Vaill. paris.* 172. *Magn.*
monsp. 222.

R. sylvestris alba cum rubore, folio glabro. *L. lapp.*
n. 202. *Bauh. J.* ii. 43, cop. from

Rosae sylvestres. *Cam. epit.* 99, the 3 lower figures.

R. sylvestris. *Tab. ic.* 1088. *Dod.* 186.

Peduncles aggregate, short. *Bracteae* elliptic and
lanceolate, serrate, 2 to each peduncle, opposite;
teeth globular at the end, with globiferous hairs in-
terposed. *Berry* stil green, smooth, glabrous, oval
and obovate, about as long as the peduncles. *Ca-*
lyx, limb stil permanent, deflex, as expressed in the
uppermost berry in *Fuchs.* *Obs.* 8162. *Aug.* 16.

CYNOSBATUS. Dog Rose. Fruit called Hips.

Pharm. lond.—*Berg.* 429. *Hill* 510. *Krock. n.*
777. *Lew.* ii. 279. *Linn.* 154. *Monro* iii. 86.

Ploucq. bibl. i. 640. *Schoepf* 81? *Vog.* 265.

Cynosbatos. *Cull.* i. 252. *Murr.* iii. 172. *Rutty*
161. *Schrod.* 579.

Cynosbati. *Spielm.* 425.

R. canina. Fresh fruit. *Pharm. edin.*—*Bry.* 168.
Dale 292. *Lew. disp. by Dunc.* 297. *Mill. Jos.*
376. *Pears. R.* i. 68.

R. sylvestris. *Alst.* ii. 206. *Berg.* 429. *Krock. n.*
777. *Murr.* iii. 172. *Schoepf* 81?

Rosae rubrae vulgares. *Spielm.* 425.

R. sylvestris vulgaris, flore odorato incarnato. *Chom.* 607; *suppl.* 173. *Vog.* 145.

BEDEGUAR. *Berg.* 429. *Krock. n.* 777. *Mill.* *Jos.* 377. *Murr.* iii. 172. *Schoepf* 81?

Cynosbati fungus. *Vog.* 303.

10. ROSA alba. Tube of the calyx oval and turbinate, hispid and glabrous. Peduncles hispid. Stem and petioles aculeate. Leaves glabrous above, pubescent underneath. *Obs.* 6424. In a garden. — *L. sp.* 705. *Hort. kew.* ii. 208. *Retz. obs.* iii. 34. *n.* 62.

R. candida plena et semiplena. *Bauh. J.* ii. 44. (The fig. R. canina.)

β plena. Corolla double, before it is expanded having a tingle of orange white. *Obs.* 6424. *L. β. H. K.* β

R. alba vulgaris major, flore multiplici. *Magn. hort.* 173.

R. alba flore pleno. *Boerh.* ii. 251.

R. alba. *Tab. ic.* 1083. (Ger. by *Johns. repr.* from

R. sativa. *Dod.* 186, which repr. in

R. damascena. *Lob. obs.* 618; *ic.* ii. 210, and cop. in *Park. theatr.* 1017, has the segments of the calyx entire.)

Branches glabrous, without aculei. Flowers paniculate. Peduncles terminal, mostly with 2 opposite branches at the base, branches uniflorous. Bractae lanceolate, serrate, opposite, 2 at the base of each peduncle. Calyx, tube hispid at the base hispid on one side hispid and nearly glabrous. Stamina and pistils. *Obs.* 6424.

ROSA alba. *Alst.* ii. 206. *Berg.* 431. *Carth.* iv.

242. Dale 293. Krock. n. 778. Linn. 154. Murr.
iii. 175.

Rosae albae. Schrod. 663. Spielm. 424.

R. alba vulgaris major. Vog. 149.

540. RUBUS.

Calyx quinquefid. *Petals* 5. *Berry* compound.
Obs. 8188. *L.*

1. *Stem herbaceous. L.*

1. RUBUS *Chamaemorus*. Leaves lobate. Stem without prickles, uniflorous. Segments of the calyx ovate. *From Smith brit.* 545. Observed by Mr. Lambert on Axedge a hill near Buxton in Derbyshire.—*L. suec.* n. 449; *sp.* 708. *Huds.* 221. On mountains in Caernarvonshire, Yorkshire, Lancashire, Westmorland, and Cumberland.—*Lightf.* 266. *t.* 13, at *p.* 266. *Bot. arr.* 528. *Retz. obs.* i. 20. *n.* 59, who was informed by Qeder that the roots of the male plants are distinct from those of the female.—*Fl. dan.* *t.* 1. *Smith engl. t.* 716.

R. caule unifolio et unifloro, foliis simplicibus. L.
lapp. n. 208. *t.* 5. *f.* 1.

Chamaemorus cambro-britanica. Park. theatr. 1014.

Chamaemorus. Raii hist. 653; *syn.* 260, where at
l. 9 from the bottom for 1630, read 1368. On
Pendle, Ingelborough, and Hincklehaugh.—*Pen-*
naeus ap. Clus. pann. 118, *repr. in hist.* i. 118,
and Ger. by Johns. 1273, & *cop. in*

Chamaemorus anglica. Park. theatr. 1014, &

Rubus idaea minori affinis, *Chamaemorus*. *Bauh.*
J. ii. 62.

Vaccinia nubis. *Ger. by Johns.* 1420.

Native of Scandinavia, Siberia, Caernarvonshire, Derbyshire, Lancashire, Yorkshire, Westmorland, Cumberland, and Scotland.

CHAMAEMORUS. *Pharm. suec.*—*Carth.* i. 435. *Dale* 323. *Linn.* 156. *Murr.* iii. 156. *Schoepf* 82.

R. Chamaemorus. *Berg.* 435. *Bry.* 170.

2. **RUBUS** *trifidus*. Leaves inciso-trifid, glabrous. Stem unarmed. *L. a Willd.* ii. 1089.—*Thunb. jap. p.*

3. **RUBUS** *arcticus*. Leaves ternate. Stem without prickles, uniflorous and biflorous. *Obs.* 8193. Specimen gathered in a garden.—*L. suec. n.* 448; *sp.* 708. *Smith brit.* 544; *engl. t.* 1585, from a garden.—*Hort. kew.* ii. 210. *Curt. mag. t.* 132.

R. caule unifloro, foliis ternatis. *L. lapp. n.* 207. *t.* 5. *f.* 2. A variation with crenate petals.

Native of Scandinavia, the isle of Mull, and North America.

Leaves hirsutulous at the margin. *Petioles* and *petiolules* pubescent. *Stem* biflorous. *Obs.* 8193. Two specimens.

RUBUS *arcticus.* *Pharm. suec.*—*Berg.* 434. *Bry.* 171. *Lew. disp. by Dunc.* 346. *Murr.* iii. 153.

Baccae norlandicae. *Linn.* 155.

4. **RUBUS** *saxatilis*. Leaves ternate. Flowers corymbose. *Obs.* 6302. In Monsal dale near Ashford in Derbyshire.—*L. suec. n.* 447; *sp.* 708;

a Murr. 476; *Huds.* 221. In Yorkshire, Cumberland, and Westmorland.—*Lightf.* 265. *Fl. dan. t.* 134. *Bot. arr.* 528. *Roth germ.* ii. 565. *Smith brit.* 544. *Jacq. vind.* 245. *Ger. by Johns.* 1273, repr. from

R. saxatilis alpinus. *Clus. pann.* 116, which repr. in *hist.* i. 118, & cop. in *Park. theatr.* 1014.

R. caule repente annuo, foliis ternatis. *L. lapp. n.* 206.

R. alpinus humilis. *Bauh. J.* ii. 61. *Boerh.* ii. 60.

Chamaerubus saxatilis. *Raii syn.* 261; *hist.* 654.

Root woody, horizontal. Stems herbaceous, woody at the base, erect, simple, angular, aculeate, hirsute, 5 to 8½ inches long; aculei attenuate, not pungent, scattered. Shoots 15 to 20 inches long, declinate and then procumbent. Leaves ternate, hirsutulous; folioles deltoideo-ovate, unequally serrate, the lower halves of the lateral ones larger than the upper halves. Petioles aculeate, slightly villose, mostly longer than the leaves. Stipulae oval elliptic linear and subulate, sometimes bifid. Corymbi with from 2 to 4 flowers, mostly solitary, sometimes 2 together. Peduncles aculeate, villose. Petals white, obovato-lanceolate; somewhat longer than the calyx. Stamina as long as the calyx. Pistils 5. Obs. 6302.

Native of the mountains of Switzerland, Germany, North Wales, Derbyshire, Lancashire, Yorkshire, Westmorland, Cumberland, and Scotland.

CHAMAERUBUS. Dale 323.

R. saxatilis. Krock. n. 788. *L. am.* i. 346.

2. Stem frutescent: L.

5. RUBUS *moluccanus.* Leaves cordate, slightly lo-

bate. Stem aculeate, decumbent. *L. a Murr.* 475; *sp.* 707.

RUBUS moluccus latifolius. *Rumph. v.* 88. *t.* 47. *f.* 2.

6. *RUBUS* *quinculobus*. Leaves quinculobate. *Obs.* 5236. Specimen gathered by Dr. Cutler in New England.

R. odoratus. L. sp. 707. *Hort. kew.* ii. 210. *Curt. mag. t.* 323. *Boerh.* ii. 60. *Mill. Ph. dict.* n. 6.

R. caule inermi multifolio multifloro, foliis palmatis. L. ups. 133.

R. foliis digitatis denis quinis ternatisque, caule inermi. Cutl. 452.

VIRGINIAN FLOWERING RASPBERRY. Mill. Ph. dict.

7. *RUBUS* *occidentalis*. Leaves ternate, tomentose underneath. Stem aculeate. Petioles terete. *L. sp.* 706; *a Murr.* 475, where for ternis read ternatis. — *Hort. kew.* ii. 209. *Mill. Ph. dict.* n. 5.

R. caule suberecto leviter aculeato, foliis ternatis, fructu nigro. Gron. virg. 78.

RUBUS *occidentalis. L. am.* vi. 345. *Schoepf* 81.

8. *RUBUS* *parvifolius*. Leaves ternate, tomentose underneath. Stem hirtose, aculeate. Petioles aculeate. Prickles recurvate. *L. sp.* 707. Found by Osbeck in India.

RUBUS moluccus parvifolius. *Rumph. v.* 88. *t.* 47. *f.* 1.

9. *RUBUS caesi*us. Leaves ternate and quinato-pinnate, hirsutulous and tomentose underneath. Stem aculeate, terete. Petioles aculeate. Fruit rorid. *Obs.* 8192. Specimen gathered near the plaster stone pits at Chelaston in Derbyshire, on clay.—*L. suec.* n. 445; *sp.* 706. *Bot. arr.* 526 *α.* *Poll.* n. 489. *Roth germ.* ii. 563. *Scop. carn.* n. 612. *Smith brit.* 542; *engl. t.* 826. *Gou. hort.* 247. Near Montpellier.

R. caule aculeato reflexo perenni, foliis ternatis. *L. lapp.* n. 205.

R. caule aculeato, foliis ternatis. *Gron. virg.* 78.

R. repens fructu caesio. *Goody. in Ger. by Johns.* 1271. No fig.—*Tourn. paris.* 528. *Vaill. paris.* 174. *Boerh.* ii. 60. In Holland.

R. minor, fructu caeruleo. *Bauh. J.* ii. 59. *Raii hist.* 1640; *syn.* 647.

R. tricoccus. *Park. theatr.* 1015. No fig.

Native of Europe.

*RUBUS caesi*us, *Bry.* 169. *Krock. n.* 786. *L. am.* vi. 345. *Spielm.* 96.

R. repens. *Rutty* 437.

Chamaebatos. *Dale* 323.

10. *RUBUS corylifolius.* Leaves ternate and quinato-pedate, hirsutulous underneath. Stem and petioles aculeate. *Obs.* 7535. Near Chesterfield, on gritstone.—*Smith brit.* 542; *engl. t.* 827. *Relh. ed.* ii. n. 424.

R. fruticosus. *L. suec.* n. 444; *sp.* 707. *Bot. arr.* 528. *var.* 3. *Poll.* n. 490 *α.* *Roth germ.* ii. 564. *var.* 1.

*R. caesi*us major. *Woodw. in bot. arr.* 526.

R. foliis quinato-pinnatis ternatisque, caule hispido.

L. ups. 133 β

R. quinquefidus subtus glaber. Doody ap. Raii syn. 467.

R. minor, Chamaerubus sive Humirubus. Park. theatr. 1013.

Leaves pale green and slightly hairy underneath; cauline leaves with 5 folioles; folioles petiolate, oval, acuminate, larger upwards, the terminating foliole very much resembling the leaf of *Corylus Avellana*; leaves of the flowering branches ternate; lateral folioles petiolate. *Petiolules* of the lowermost pair of folioles a tenth of an inch long, inserted into the lower margin of the petiolules of the middlemost pair a little above their base; those of the middlemost pair 5 and 6 times longer than those of the lowermost pair; that of the terminating foliole nearly thrice as long as those of the middlemost pair. *Calyx* reflex. *Corolla* when gathered yesterday white, to day fleshcoloured white, lanceolato-oblong, slightly villose. *Obs.* 7535.

RUBUS. See the medical references under *R. fruticosus*.

11. **RUBUS fruticosus.** Leaves ternate, and quinatopedate, tomentose underneath. Stem and petioles aculeate. *Obs.* 8189. Specimen gathered at Areley in Worcestershire.—*L. a Reich.* ii. 534, where we read *vel subtus alba et tomentosa*, but from what work of Linnaeus I cannot discover.—*Bot. arr.* 527. α . *Smith brit.* 543; *engl. t.* 715. *Reich. franc. n.* 332. *Scop. carn. n.* 613. *Abb.* 112. *Poll. n.* 490 β . *Roth germ.* ii. 564. *Lour.* i. 398.

R. major, fructu nigro. *Bauh. J.* ii. 57. *Raii hist.* 1639; *syn.* 467.

R. sylvestris, sive *R. fructu nigro*. *Tourn. paris.* 138.

R. vulgaris, sive *R. fructu nigro*. *Magn. monsp.* 226. *Vaill. paris.* 174. *Boerh.* ii. 60. In Holland.

R. minor. *Dod.* 730, *cop. from*

Rubus. *Fuchs.* 158. c. 55. *Trag.* 970. *Dalech.* 119. *Dod.* 730, *repr. in Lob. obs.* 619; *ic.* ii. 211, & *Ger. by Johns.* 1272, & *cop. in*

R. vulgaris major. *Park. theatr.* 1013.

Native of Europe as far north as Scotland and probably Sweden.

RUBUS. *Geoffr. suite ii.* 281. *Schrod.* 666.

R. fruticosus. *Bry.* 170. *Krock. n.* 787. *L. am.* vi. 345. *Schoepf* 81? *Spielm.* 96.

R. vulgaris. *Dale* 323. *Mill. Jos.* 380. *Rutty* 437.

R. niger. *Lew. disp. by Rother.* 227.

Blackberry. *Rush i.* 136.

Ronce. *Chom.* 648.

12. **RUBUS idaeus.** Leaves ternate and pinnate, tomentose underneath. Petioles canaliculate. *Obs.* 8188. Specimen gathered at Wayley bridge in Cheshire, on gritstone.—*L. suec. n.* 446; *sp.* 706. *Bot. arr.* 525. *Woodv.* iii. 375. *t.* 138. *Fl. dan.* *t.* 788. *Smith brit.* 541. *Host* 281. *Roth germ.* ii. 562.

RUBUS idaeus. Raspberry. Fruit. *Pharm. lond. edin.*—*Berg.* 432. *Bry.* 169. *Dale* 324. *Geoffr. suite ii.* 288. *Lew. i.* 443; *disp. by Dunc.* 258. *Krock. n.* 785. *Linn.* 155; *am.* vi. 345.

Mill. Jos. 379. *Monro* iii. 210. *Murr.* iii. 151.
Pears. R. i. 68. *Piepenbring*, account from in
phys. journ. iii. 271. *Rutty* 437. *Quar. febr.*
 103. 122. 381. *Schrod.* 667. *Spielmann.* 96. *Vog.*
 262.

Raspberries. *Fordyce, W. fev.* 167. *Reid, T. phth.*
 289.

α ruber. Fruit red. *Obs.* 8188.

R. idaeus. *Dod.* 731, repr. in *Lob. obs.* 619; *ic.*
 ii. 212, and *Ger. by Johns.* 1272, & *abr. in Park.*
par. 557. *t.* 559. *f.* 1, & *imit.* in

R. idaeus spinosus, fructu rubro. *Bauh. J.* ii. 59.
Boerh. ii. 60. *Raii hist.* 1640; *syn.* 467. In
 Wales, and the north of England, and observed by
 Dillenius in Stoken Church woods in Oxfordshire.

R. caule erecto hispido; foliis ternatis. *L. lapp. n.*
 204.

R. idaeus spinosus. *Dalech.* 123. *Tourn. paris.*
 528. *Vaill. paris.* 174.

Chamaebatus, seu *R. idaeus alter.* *Trag.* 973, *cop.*
in Dalech. 424.

Native of Lapland, Sweden, Germany, of France
 as far south as Franche compte, Scotland, the north
 of England, Yorkshire, Derbyshire on gritstone and
 limestone, Wales, the north of Worcestershire near
 Kidderminster on gravel, Warwickshire on gravel,
 Oxfordshire, Bedfordshire, Cambridgeshire, and Nor-
 folk.

RUBUS idaeus spinosus. *Chom.* 817.

β albus. Fruit yellowish white. In gardens.—*Hort.*
kew. ii. 209 *β.* *L. sp.* 706 *β.* *Roth germ.* ii. 563.
var. 2.

R. idaeus spinosus fructu albo. *Boerh.* ii. 60. *Bauh.*
J. ii. 59. *Raii hist.* 1640.

R. foliis quinato-pinnatis ternatisque, caule hispido.

L. ups. 133, who remarks that it is a biennial shrub.

RUBUS idaeus fructu albo. Chom. 817.

13. *RUBUS rosifolius.* Leaves pinnate and ternate.

Flowers solitary. *From*

R. rosaefolius. Smith herb. t. 60.

RUBUS. Bory voy. 72.

541. FRAGARIA.

Calyx decemfid. *Petals* 5. *Receptacle* of the seeds ovate. *Obs.* 4674. *L.*

1. *FRAGARIA vesca.* Leaves ternate. Suckers creeping. *Obs.* 2711. In woods.—*L. succ. n.* 450; *sp.* 708; *a Murr.* 476. *Lour. i.* 398.

FRAGARIA. Pharm. austriaco-prov. 39.—*Berg.* 437. *Dale* 160. *Geoffr. iii.* 488. *Krock. n.* 789. *Linn.* 157. *Mill. Jos.* 203. *Murr. iii.* 142. *Rutty* 207. *Schoepf* 82. *Schrod.* 591.

F. vulgaris. Chom. 209; *suppl.* 67.

F. vesca. Bry. 161. *L. am. vi.* 345. *Pears. R.* i. 63.

Fraga. Pharm. succ.—Lew. i. 443; *disp. by Rother.* 161. *Quar. febr.* 122. *Spielm.* 88. *Vog.* 254.

Strawberries. *Fordyce, W. fev.* 159. 167. 206.

a sylvestris. Fruit round. Obs. 2711. *L. sp. a.*

Hort. kew. ii. 211 *a*

- F. vesca*. *Gou. hort.* 247. Near Montpelier.—
Host 282. Woods and pastures.—*Roth germ.* ii.
 568. *Bot. arr.* 529. *Smith brit.* 546; *engl. t.*
 1524. *Huds.* 221.
- Potentilla vesca*. *Scop. carn. n.* 625.
- F. flagellis reptans*. *Guett. i.* 287.
- F. vulgaris*. *Vaill. paris.* 55. *Magn. monsp.* 99;
hort. 80. *Boerh. i.* 41. In Holland.—*L. lapp.*
n. 209.
- Fraga altera*. *Dod.* 661, repr. in
- F. et Fraga major subalba*. *Lob. ic. i.* 697, &
- F. et Fraga*. *Ger. by Johns.* 997, & cop. in
 Common Strawberry. *Pet. herb. t.* 40. f. 7.
- Fragaria*. *Raii hist.* 609; *syn.* 254. *Dalech.* 614.
- Fraga vulgaris*. *Park. par. t.* 527. f. 6.
- β *alba*. Fruit roundish, white. *From memory*.—*L.*
sp. α; *succ. β*; *lapp. α*. *Bot. arr.* δ. *Huds.* δ
- F. vulgaris*, fructu albo. *Vaill. paris.* 55. *Boerh.*
 ii. 41. *Magn. hort.* 80.
- γ *conica*. Fruit ovate, acute. *From memory*.
- F. vesca*. *Poll. n.* 491. *Krock. n.* 789, var. found
 in the higher mountains.
- Fragaria*. *Trag.* 500, repr. in
- Fragula*. *Cord. fol.* 173. p. 2.
- F. major et minor*. *Fuchs.* 808. c. 328, cop. in
- F. ferens fraga rubra*. *Bauh. J.* ii. 394, representing
 this and var. δ
- Alpine Strawberry. *Mill. Ph. dict. n.* 1. var. the
 2nd.
- δ *dioica*. Flowers dioicous. *From memory*.
- F. muricata*. *Mill. Ph. dict. n.* 3. Hauboy Straw-
 berry.
- F. vesca pratensis*. *L. sp. β.* *Hort. kew. β.* *Huds.*
 222 γ No place of growth mentioned.

- F. fructu parvi pruni magnitudine.* *Vaill. paris.* 55. *Boerh. ii.* 42. *Magn. hort.* 80.
- F. et Fraga.* *Dod.* 661, repr. in *Lob. obs.* 396; *ic.* i. 697;
- F. et Fraga subalba.* *Ger. by Johns.* 997, and cop. in
- F. vulgaris.* *Park. theatr.* 758.
- Fraga bohemica maxima.* *Park. par. t.* 527. *f.* 7.
- F. major fertilis, seu bohemica maxima.* *Raii hist.* 609.
- 4 *virginiana.* Fruit roundish, scarlet. *From memory.*
—*Hort. kew.* δ In Carolina and Virginia.
- F. virginiana.* *Mill. Ph. dict. n.* 2. *Raii hist.* 609.
- F. virginiana, fructu coccineo.* *Boerh. ii.* 42.
- F. flagellis reptatricibus.* *Gron. virg.* 78.
- Virginia Strawberry. *Park. par.* 528. No fig.
Native of North America from Carolina to Newfoundland.
- n *chiloensis.* Chili Strawberry. *L. sp. γ.* *Hort. kew.*
γ In South America.
- F. chiloensis.* *Mill. Ph. dict. n.* 4.
- 9 *Ananas.* Pine Strawberry. *Hort. kew.* ε In Surinam.
- i *simplicifolia.* Leaves, excepting the lowermost and the 2 lowermost, simple. *Obs.* 3011.
- F. monophylla.* *L.—H. K. ii,* 212, *Curt. mag, t.* 63. Fruit conic.

2. *FRAGARIA pinnatifolia.* Leaves pinnate. *Obs.* 4674. Specimen gathered on a common near Congleton in Cheshire, in fruit.
- Comarum palustre.* *L. suéc. n.* 463; *sp.* 718. *Bat.*

arr. 540, *Smith brit.* 556; *engl. t.* 172. *Fl. dan.* t. 636.

Potentilla palustris. *Scop. carn. n.* 617.

Comarum. *L. lapp. n.* 214.

Pentaphyllon rubrum palustre. *Lob. ic. i.* 691, *repr. in*

Quinquefolium quartum. *Dod.* 117, &

Pentaphyllum rubrum palustre. *Ger. by Johns.* 987. *Raii syn. ed. ii.* 140.

Pentaphyllon palustre. *Cam. hort.* 120. *Cord. fol.* 96, *cop. in*

Pentaphyllon, vel potius Heptaphyllum flore rubro. *Bauh. J. ii.* 398. c.

(Purple marsh Cinquefoil. *Pet. herb. t.* 41. f. 1, is *cop. from Ger. by Johns.* 987. f. 2, which is a fig. of *Potentilla recta.*)

COMARUM palustre. *Krock. ii. n.* 811. t. 14.

tenuifolia. Leaves thin, green underneath. *Obs.* 8756. Specimen from an herbal formed in England.

Pentaphylloides palustre rubrum. *Dill. ap. Raii syn.* 256.

Petals lanceolate, more than half as long as the smaller segments of the calyx. *Obs.* 8756.

crassifolia. Leaves thickish, somewhat glaucous underneath. *Obs.* 8757. Specimen from Dr. Heise.

Pentaphyllum palustre rubrum, crassis et villosis foliis, suecicum et hibernicum. *Raii syn.* 256.

Doody ap. Raii syn. ed. ii. 342.

Irish marsh Cinquefoil. *Pet. herb. t.* 41. f. 2.

Petals obovate, acute, more than half as long as the smaller segments of the calyx. *Obs.* 8757.—

Petals lanceolate. *Obs.* 8758. Specimen gathered in Saville's garden.

542. TORMENTILLA.

Calyx octofid and decemfid. *Petals* 4 and 5. *Seeds* without aristae, fixed to a juiceless receptacle.
Obs. 5866. *L.*

1. *Leaves ternate. L.*

1. TORMENTILLA *sessilifolia*. *Leaves sessile. Obs.* 5866. On dry banks.

T. erecta. L. suec. n. 459; sp. 716. Bot. arr. 536. Fl. dan. t. 589. Woodv. i. 27. t. 9. Huds. 225. Lightf. 272.

T. officinalis. Curt. lond. v. 35. t. 337. Smith brit. 552.

Potentilla Tormentilla. Bot. arr. 535. cop. in Abb. 114.

Potentilla Tormentilla erecta. Scop. carn. n. 620.

T. sylvestris. Tourn. paris. 538. Vaill. paris. 194. L. lapp. n. 213.

Quinquefolium minus repens luteum, flore tetrapetalo. Boerh. i. 40.

Septifolium, sive Tormentilla. Fuchs. 260, fol. ed. cop. in. 262. c. 99, &

Tormentilla. Bauh. J. ii. 398, (misprinted 598) g, & abr. in Trag. 503. Brunsf. i. 85. Raii syn. 257. Dalech. 1267. Lob. obs. 395, repr. in Ger. by Johns. 992, &

T. vel Heptaphyllon. Lob. ic. i. 696.

T. vulgaris. Park. theatr. 394.

Folioles rhombeo-lanceolate. Calyx octopartite. Petals 4. Obs. 5866.

Native of Europe from Italy to Lapland.

TORMENTILLA. Tormentil. Root. *Pharm. lond.*—*Alst.* i. 528. *Berg.* 441. *Carth.* ii. 134. *Cull.* ii. 36. *Dale* 161. *Geoffr. suite* iii. 215. *Herm.* 166. *Hill* 607. *Krock. n* 805. *Lew.* ii. 439. *Linn.* 157. *Mill. Jos.* 438. *Monro* iii. 282. *Murr.* iii. 140. *Quar. anim.* 30. 231. 232. 265. 302. 305. 311. *Rutty* 521. *Spiclm.* 432. *Schrod.* 693. *Vog.* 213.

T. erecta. Root. *Pharm. edin.*—*Lew. disp. by Dunc.* 318. *Murr. J.* i. 215. *Pears. R. ed.* ii. 357.

Tormentil. *Biss. ess.* 70. *Hunt. J. in Pringle* 276. *Neum.* ii. 126.

Tormentille. *Chom.* 589; *suppl.* 168.

β *pentapetala.* Petals 5. *Obs.* 2488.

Quinquefolium luteum minus. *Dalech.* 1264.

Calyx decempartite. Petals 5. *Obs.* 2488.—

Stem erect. Petals in one flower 5, in others 4. *Obs.* 6334. Growing under the shade of a gorse bush.

2. Leaves digitate. L.

2. **TORMENTILLA obovatifolia.** Leaves ternate; folioles serrate, obovate, retuse, silky. Stems with 1 and 2 flowers. *Obs.* 5901. Specimen gathered on a bank.

Fragaria sterilis. *L. sp.* 709; *mant.* 400. *Bot. arr.* 530. *Curt. lond.* iii. 30. t. 173. *Tourn. paris.* 82. *Vaill. paris.* 56. *Smith brit.* 546; *engl. t.* 1785. *Raii hist.* 611; *syn.* 254. *Boerh.* i. 42. *Gou. hort.* 217. Near Montpellier.

Comarum fragarioides. *Roth germ.* ii. 576; *catallect.* i. 61.

Fragaria silvestris minime vesca, sive sterilis. Lob.
ic. i. 698, repr. in

Fragaria minime vesca, sive sterilis. Ger. by Johns.
998, & abr. in

Barren Strawberry. Pet. herb. t. 40. f. 8.

Fragaria non fragifera, vel non vesca. Bauh. J. ii,
395.

Native of France, Germany, and Britain.

FRAGARIOIDES. Dale 160.

3. *TORMENTILLA reptans.* Leaves quinate. Stem
creeping. Obs. 180. On dry banks.

Potentilla reptans. L. suæc. n. 456; sp. 714. Curt.
lond. i. 37. t; mat. med. t. 14. Walc. t. Bot. arr.
534. Smith brit. 551. Gou. hort. 249. Near Mont-
pelier.—Woodv. i. 160. t. 59.

Quinquefolium majus repens. Tourn. paris. 31.
Vaill. paris. 167. Boerh. i. 40. In Holland.

Pentaphyllum vulgatissimum. Park. theatr. 398.
Raii hist. 611; syn. 255.

Quinquefolium majus luteum. Fuchs. 596, c. 239,
cop. in

Pentaphyllum, sive Quinquefolium vulgare repens.
Bauh. J. ii. 397.

Quinquefolium luteum majus. Dalech. 1264.

Quinquefolium majus. Dod: 116; repr. in

Quinquefolium, sive Pentaphyllum vulgare. Lob.
obs. 393,

Quinquefolium vulgare. Ger. by Johns. 987, &

Pentaphyllum majus, flore subluteo interdum albo.

Lob. ic. i. 690; (the name belonging to *T. recta*),
and cop. in

Pentaphyllum majus, luteo flore vel albo. Park.
theatr. 396.

Native of Europe as far north as Sweden.

PENTAPHYLLUM. Cinquefoil. Root. *Pharm.*
London:—Aist. i. 490. *Berg.* 442. *Dale* 161. *Hill*
 608. *Krock.* n. 803. *Lew.* ii. 191; *disp. by Dunc.*
 287. *Linn.* 157. *Mill. Jos.* 336. *Monro* iii. 199.
Murr. iii. 138. *Rutty* 381. *Schoepf* 83. *Spielm.*
 423. *Vog.* 112. 241.

Quinquefolium. *Call.* ii. 34. *Geoffr. Suisse* ii. 158.
Herm. 172. *Schröd.* 659.

Cinquefoil. *Lind* hot clim. 314.

Quinte-feuille. *Chom.* 588; *suppl.* 167.

4. **TORMENTILLA canadensis.** Leaves quinate, vil-
 lous. Stem ascending; hirsute. *L.* sp. 713.

PENTAPHYLLUM. *Schoepf* 83.

3. Leaves pinnate. *L.*

5. **TORMENTILLA fruticosa.**—Stem shrubby. *L.*
Potentilla fruticosa. *L. succ.* n. 451; sp. 709.

Bot. arr. 531. *Walc. t. Smith engl. t.* 88. Co-
 rolla not fully expanded, and the petals retuse,
 probably from the specimen having been sent from
 Darlington. In such cases the imperfections of
 wild specimens should be supplied by garden
 specimens; *brit.* 547.

Potentilla caule fruticoso. *Gron. xivg.* 79.

Pentaphylloides fruticosa. *Lloyd in ph. tr. abr. by*
Hutt. v. 701. Among limestone on the banks of

Loch Crib, in the county of Galloway in Ireland.

—*Raii hist.* 616; *syn.* 256. On the southern bank
 of the Tees below Thorp and Eggleston abbey in
 Yorkshire, and found by Lawson near Mickel Force
 in Teesdale; *cat. ed.* ii. 228; *t. cop. in*

Shrub Cinquefoil. *Pet. herb. t. 41. f. 8.*

Native of Ireland, the north of Yorkshire, the isle of Oeland in the Baltic, Siberia, and North America.

PENTAPHYLLUM. *Schoepf 83.*

6. TORMENTILLA *Anserina*.—Leaves pinnate; folioles serrate. Stem creeping. Peduncles with one flower. *L.*

Potentilla *Anserina*. *L. succ. n. 452; sp. 710. Curt. Lond. iii. 31. t. 203. Bot. arr. 532. Smith Brit. 547; engl. t. 861. Fl. dan. t. 544. Lightf. 268. Huds. 222. Gou. hort. 248. Near Montpellier.*

Potentilla foliis pennatis, caule repente. *L. lupp. n. 210.*

Pentaphylloides argenteum alatum, seu Potentilla. *Tourn. paris. 30. Vaill. paris. 158. Boerh. i. 41. In Holland.*

Pentaphylloides, Argentina dicta. *Raii syn. 256. Argentina. Raii hist. 617. Dod. 589, repr. in Lob. obs. 395; ic. i. 692, and Ger. by Johns. 993, and cop. in*

Potentilla. *Park. theatr. 593. Dalech. 1064. Fuchs. 592. c. 237, cop. in*

Potenilla, sive Argentina. *Bauh. J. ii. 398. Anserina. Trag. 480.*

Native of Europe as far north as Lapland.

ANSERINA. *Berg. 440. Krock. n. 791. Linn. 156. Murr. iii. 135. Vog. 50. Ploucq. bibl. i. 313.*

Argentina. *Chom. 465; suppl. 142. Dale. 161. Geoffr. iii. 112. Lew. i. 133. Mill. Jos. 47. Rutt. 34.*

Potentilla *Anserina*. *Schrod. 535. Spielm. 423.*

543. GEUM.

Calyx decemfid; every other segment smaller. *Petals* 5. *Seeds* aristate. *Hort. kew. L.*

1. *GEUM urbanum*. Aristae uncinatae, glabrous. Flowers erect. Cauline leaves ternate tripartite and trifid. Petals at long as the calyx. *Obs.* 4650. In hedges.—*Hort. kew.* ii. 218. *L. suec. n.* 460; *sp.* 716. *Woodv.* iv. 126. *t.* 259. *Smith brit.* 554; *engl. t.* 1400. *Bot. arr.* 537. *Curt. lond.* ii. 36. *t.* 113. *Walc. t. Fl. dan. t.* 672. *Gou. hort.* 250. Near Montpellier.—*Poll. n.* 501. *Buchhave in act. haun.* i. 124. 141. *t.*

Geum. Guett. i. 288.

Caryophyllata vulgaris. *Tourn. paris.* 254. *Vaill. paris.* 30. *Lob. obs.* 396, repr. in *ic.* i. 693, cop. in *Park. theatr.* 136, fruit ill done, and the radical leaves pinnate instead of subrotund; cop. with corrected fruit in

Avens. Pet. herb. t. 40. *f.* 1, and repr. in

Caryophyllata. Ded. 137, and *Ger. by Johns.* 994. *Raii hist.* 606; *syn.* 253.

Caryophyllata Matthioli. Dalech. 686.

Caryophyllata hortensis. Fuchs. 380. *c.* 145.

Caryophyllata vulgaris, flore parvo luteo. Bauh. J. ii. 398. *l.* (The fig. *Anemone Hepatica.*)

Garyophyllata. Trag. 67.

Petals oval. *Styles* terminal, as observed by *Gmelin.* *Aristae* formed of the part of the style below the joint, the upper half having fallen off. *Obs.* 4650.

Native of Europe as far north as Sweden.

CARYOPHYLLATA. *Pharm. austriaco-prov.*
27.—*Alst.* i. 404. *Berg.* 445. *Carth.* iv. 99. *Dale*
160. *Geoffr.* iii. 263. *Herm.* 169. *Krock.* n. 807.
Lew. i. 294; *disp. by Rother.* 131; *by Dunc.*
342. *Linn.* 157. *Mill. Jos.* 117. *Murr.* iii. 122.
Rutty 99. *Schrod.* 558. *Spielm.* 247. *Vog.* 96.
217.

G. urbanum. *Bang in act. haun.* i. 99. 109. 253.
296. *Buchhave ib.* 119; *and account from in med.*
comment. dec. II. iv. 43; vii. 119. *Callisen in*
act. haun. i. 422. *Meza jun. ib.* ii. 28. 32. *Pears.*
R. ed. ii. 386. *Perciv. Rob. of Dublin in phys.*
journ. xviii. 557. 436. *Ploucq. bibl.* i. 484. *Rä-*
noe in act. haun. i. 333. 454. *Vog. the son, ac-*
count from in phys. journ. i. 191.

Geum. *Bang in act. haun.* i. 241. 249. 261. 297.

Caryophyllata vulgaris. *Chom.* 463; *suppl.* 140.

2. **GEUM rivale.** *Aristae uncinatae, villose.* Flowers
nodding. Receptacle of the fruit pedunculate.
Petals cuneiform, retuse. *Obs.* 6333. In Lang-
with woods near Bolsover in Derbyshire, on lime-
stone.—*Obs.* 8247. Specimen gathered by Dr.
Cutler in New England.—*Hort. kew.* ii. 218. *L.*
lapp. n. 216; *succ. n.* 461; *sp.* 717. *Bot. arr.*
538. *Smith engl. t.* 106; *brit.* 554. *Fl. dan. t.*
722. *Roth germ. i.* 224. *Gou. hort.* 250. Near
Montpelier.—*Lightf.* 274.

Caryophyllata rivalis. *Scop. carn. n.* 629.

Caryophyllata aquatica, flore nutante. *Boerh.* i. 43.

Cariophyllata septentrionalium rotundifolia papposo
flore. *Lob. ic. i.* 694.

Caryophyllata montana I. *Clus. pann.* 434, *repr. in*
hist. ii. 103, *and*

Caryophyllata montana purpurea. *Ger. by Johns.* 995. *Park. theatr.* 137. *Raii hist.* 607; *syn.* 253.

Caryophyllata montana Dalechampii. *Dalech.* 686.

Caryophyllata sylvestris. *Fuchs.* 380. c. 145. Flowers much larger than those of *G. urbanum* and more inclining to saffron colour.

Stem 16 inches long, with 1 and 2 flowers. *Radical leaves* pinnate, rarely simple; terminal foliole reniform, incise; lower folioles ovate, very small, from 1 to 3 pairs; *cauline leaves* simple. *Calyx* partitodecemfid; brownish red. *Corolla* somewhat shorter than the calyx, strawcoloured. *Obs.* 6333.—*Stem* with several flowers, to 2 feet long. *Cauline leaves* ternate. *Petals* of a purplish reddish hue. *Obs.* 5793. From near Ilam; and gathered in Monsal dale Derbyshire on the banks of a brook, and in a thicket high up the sides of the adjoining hill, on limestone.

Native of the south of France, Germany, Scandinavia, Scotland, the north of England, Wales, Derbyshire, Warwickshire, Oxfordshire, Bedfordshire, Cambridgeshire, Norfolk, Essex, and New England.

GEUM rivale. *Berg.* 447. *Buchhave, account from in med. comment.* xiv. 45. *Murr.* iii. 132.

G. palustre. *Lew. disp. by Dunc.* 342. *Linn.* 158.

G. floribus nutantibus, fructu oblongo, aristis plumosis. *Cull.* 454.

3. *GEUM virginianum.* *Aristae* uncinatae, glabrous. Flowers erect. *Cauline leaves* ternate, the upper lanceolate. *Petals* shorter than the calyx. *Hort. kew.* ii. 217. *L. sp.* 716.

GEUM. *Gron, virg.* 79.—*Schoepf* 83.

544. DRYAS.

Calyx octopartite; segments distinct. *Petals* 5 to 8.

Seeds aristate. *Obs.* 7994. *Hort. kew.* ii. 219.

L. *succ. n.* 462; *sp.* 717.

1. DRYAS octopetala. *L. succ. n.* 462; *sp.* 717.
Bot. arr. 539. *Lightf.* 274. On mountains in
 Breadalbane, Rossshire, Argyleshire, and the isle of
 Sky.—*Pall. reise* iii. 733. *Fl. dan. t.* 31. *Penn.*
hebr. t. 33, at p. 285. *Smith brit.* 555; *engl. t.*
 451.

Dryas. L. lupp. n. 215.

Caryophyllata alpina chamaedryos folio. Raii hist.
 608. On Thuir the highest summit of Mount
 Jura, and on the Alps of Carinthia; and a speci-
 men gathered between Gort and Galloway in Ire-
 land; *syn.* 253. Found by Lhwyd on mountains
 near Sligo in Ireland, and on all the higher moun-
 tains of Scotland.—*Boerh.* i. 43.

Chamaedrys III alpina, cisti flore. Clus. pann. 611.
repr. in

Chamaedrys III, seu montana. Clus. hist. ii. 351,
and

Teucrium alpinum, cisti flore. Ger. by Johns. 659,
and abr. in

Germander Avens. Pet. herb. t. 40. f. 6.

Chamaedris montana frutescens durior. Lob. adv.
 209, *repr. in*

Chamaedrys montana durior. Lob. ic. i. 495. f. 1.
 No fructifications.—f. 2 in fruit *cop. in*

Chamaedrys spuria montana, cisti flore. Park. theatr.
 106.

Chamaedrys montana. Dalech. 1164. *Petals* 5.

Leaves acute. *Calyx*, segments not incumbent, as in the genera most nearly allied to it. *Petals* 8, when dry tawny. *Obs.* 7994.—*Leaves* obtuse. *Obs.* 7995. Specimen gathered in the Edinburgh garden.

CHAMAEDRYS alpina, flore fragariae albo.

Bauh. J. iii. b. 290. On Mount Thuyri near Geneva, and on the mountains of the Grisons and the Engadine. (The fig. *Salvia pratensis*.)

Class 13.

POLYANDRIA.

Order 1.

MONOGYNIA.

1. *Flowers monopetalous.*

545. ACACIA. *Legumen. Corolla quinquefid.
Calyx quinquedentate.*

2. *Flowers tetrapetalous. L.*

551. CHELIDONIUM. *Capsule unilocular. Calyx diphyllous. Obs. 4018.*
555. CLUSIA. *Capsule unilocular. Calyx polyphyllous.*
552. PAPAVER. *Capsule semimultilocular, opening by pores underneath the permanent stigma. Calyx diphyllous. Obs. 5315.*
554. MAMMEA. *Berry unilocular. Calyx bipartite, deciduous.*
548. ACTAEA. *Berry unilocular. Calyx tetraphyllous. Seeds in two rows. L.*

547. CAMBOGIA. *Berry* unilocular, crowned by the style and stigma. *Calyx* tetraphyllous and hexaphyllous. *Petals* 4 and 6. *Receptacle* tetragonous.
546. CAPPARIS. *Berry* unilocular, pedicellate, corticose. *Calyx* tetraphyllous.
560. CALOPHYLLUM. *Drupe*. *Nut* globular. *Calyx* tetraphyllous.
559. GRIAS. *Drupe*. *Nut* with 8 furrows. *Calyx* quadrifid.

3. *Flowers* pentapetalous. L.

569. CISTUS. *Capsule*. *Calyx* pentaphyllous; 2 of the phylla smaller. L.
570. CORCHORUS. *Capsule* quinquelocular. *Calyx* pentaphyllous, as long as the corolla, deciduous.
561. TILIA. *Capsule* quinquelocular, monospermous. *Calyx* pentaphyllous. *Obs.* 4033.
564. AUGIA. *Drupe* orbicular. *Nut* unilocular. *Calyx* truncate. *From* Lour.
563. MICROCOS. *Drupe*. *Nut* trilocular. *From* L. a Willd.
565. ELAEOCARPUS. *Drupe*. *Nut* tuberculate. *Petals* lacerate.
562. GREUIA. *Berry* quadrilocular. *Calyx* pentaphyllous and quinque-

dentate. *Germen* on a columnar receptacle.

556. AEGLE. *Berry* decemlocular. *Calyx* quinquelobate.

4. *Flowers hexapetalous. L.*

553. ARGEMONE. *Capsule* unilocular, semivalvular. *Calyx* triphyllous.

566. LECYTHIS. *Capsule* cut round. *Calyx* hexaphyllous. *Stamina* inserted into the nectarium. *Nectarium* ligulate. *From L.*

568. THEA. *Capsule* tricoccous. *Calyx* pentaphyllous. *Obs.* 5727.

5. *Flowers octopetalous. L.*

549. SANGUINARIA. *Capsule* unilocular, bivalve, polyspermous. *Calyx* diphyllous. *Obs.* 7758.

6. *Flowers enneapetalous. L.*

550. PODOPHYLLUM. *Berry* unilocular, crowned by the stigma. *Calyx* triphyllous. *L.*

7. *Flowers decapetalous. L.*

558. BIXA. *Capsule* bivalve. *Calyx* quinquedentate. *L.*

8. *Flowers polypetalous. L.*

557. NYMPHAEA. *Berry* multilocular. *Calyx* te.

traphyllous and pentaphyllous.

Order 2.

D I G Y N I A.

574. PÆONIA.

Petals 5. *Capsules* polyspermous. *Calyx* pentaphyllous.
L.

Order 3.

T R I G Y N I A.

572. DELPHINIUM.

Siliquae 3 and 1. *Calyx* pentaphyllous, coloured; uppermost phyllum calcarate.
Petals 4 and 1.

573. ACONITUM.

Siliquae 5 and 2. *Calyx* pentaphyllous, coloured. *Petals*, the 2 uppermost tubular and pedunculate. *Obs.* 4934.

Order 4.

T E T R A G Y N I A.

575. CIMICIFUGA.

Petals 4, urceolate. *Capsules*

4 to 7. *Seeds* squamose. *Calyx* tetraphyllous.

579. DRIMYS.

Petals 6 and 12. *Berries* 4 and 8.

Order 5.

PENTAGYNIA.

578. REAUMURIA. *Petals* 5. *Capsule* quinquelocular, polyspermous. *Calyx* pentaphyllous. *Nectaria* 5.

577. NIGELLA. *Petals* 5, bilabiate. *Capsule* 1 multilocular and from 5 to 10. *Calyx* pentaphyllous, coloured. *Obs.* 5904.

576. AQUILEGIA. *Petals* 5, horn like. *Capsules* 5. *Calyx* pentaphyllous, coloured. *Obs.* 4867.

Order 6.

POLYGYNIA.

1. *Flowers* pentapetalous.

593. RANUNCULUS. *Seeds* many. *Calyx* pentaphyllous. *Petals* with a nectarium at the base. *Obs.* 3450.

592. ADONIS. *Capsules* monospermous, many. *Calyx* pentaphyllous. *Petals* 5 to 15. *Obs.* 6612.
580. DILLENIA. *Capsules* polyspermous, several, connate, on a fleshy receptacle. *Calyx* pentaphyllous.
596. HELLEBORUS. *Capsules* polyspermous. *Calyx* pentaphyllous. *Petals* 5 and several, tubular, bilabiate. *Obs.* 2651.
2. *Flowers hexapetalous.*
567. XYLOPIA. *Capsule* unilocular, monospermous. *Calyx* tridentate and quinquedentate.
582. LIRIODENDRUM. *Capsules* containing 1 and 2 seeds, imbricate. *Calyx* triphyllous.
583. MAGNOLIA. *Capsules* unilocular, monospermous, bivalve. *Calyx* triphyllous. *Petals* 6 and 9. *Obs.* 5467.
581. ILLICIUM. *Capsules* monospermous, bivalve, in a circle. *Calyx* tetraphyllous and hexaphyllous. *Petals* 8 to 27, in three rows. *Obs.* 7035.
588. ANONA. *Berry* polyspermous. *Calyx* tripartite and triphyllous. *Petals* 6 and 3.

586. UVARIA. *Berries* several, pedicellate. *Calyx* triphyllous.
587. MELODORUM. *Berries* several. *Seeds* dispersed. *Calyx* triphyllous. *From Lour.*

3. *Flowers polypetalous.*

584. NELUMBium. *Nuts* monospermous, immersed in a truncate receptacle. *Calyx* tetraphyllous and pentaphyllous.
594. FICARIA. *Capsules* monospermous. *Calyx* triphyllous. *Petals* 8 to 11, with a nectarium at the base. *Obs.* 4501.
595. TROLLIUS. *Capsules* polyspermous. *Calyx* triphyllous, as long as the corolla. *Nectaria* obsubulate. *Obs.* 4896.
585. MICHELIA. *Berries* many, polyspermous. *Calyx* triphyllous. *Petals* 15.

4. *Flowers incomplete.*

598. HYDRASTIS. *Petals* 3. *Berry* compound. *From L.*
591. THALICTRUM. *Seeds* without a tail. *Petals* 4 and 5.
590. CLEMATIS. *Seeds* aristate. *Petals* 4, 5, and 6.
597. CALTHA. *Capsules* 4 to 17, polyspermous.

ous. *Petals* 5 to 7. *Obs.*
81.

589. *ANEMONE*. *Seeds* many, monospermous.
Petals 5 to 15.

5. *Flowers* naked.

571. *ELEPHANTUSIA*.

MONOGYNIA.

545. *ACACIA*.

Calyx quinquedentate. *Corolla* quinquefid. *Legu-*
men. From *L. a Willd.* iv. 1049.

Male and female flowers sometimes interspersed.
L.

1. *Leaves* bipinnate. *Spines* and *aculei* stipular.
Spikes elongate. From *L. a Willd.*

1. *ACACIA trispinosa*. *Spines* in threes, the interme-
diate one bent back. From

Mimosa Senegal. *L. sp.* 1506. *Hort. kew.* iii. 442.

A. Senegal. *L. a Willd.* iv. 1077.

Mimosa spinis geminatis distinctis, foliis duplicato-
pinnatis, partialibus utrinque quinis pluribus. *L.*
ups. 146.

Mimosa spinis geminatis, foliis duplicato-pinnatis,
partialibus utrinque quinis. *Roy.* 471.

Mimosa spinis geminatis distinctis, foliis duplicato-pinnatis particularibus utrinque quinis pluribus.
L. mat. med. n. 261.

GUMMI senegalense. *Cod. med. p. lvii.—Lew. i. 480.*

Gummi Senegal. *Pharm. austriaco-prov. 67.—Berg. 831. Linn. 266. Murr. ii. 414.*

Gummi Senega. *Carth. i. 289. Cull. clin. 305. Geoffr. ii. 577. Monro ii. 439.*

Gummi arabicum. *Lew. disp. by Dunc. 344. Spielm. 458.*

A. siliquis compressis. *Dale 343.*

2. ACACIA *Catechu*. Spines in pairs, recurvate. Leaves and foliations multijugate. Petiole with a gland at the insertion of each pair of foliations and below the lowermost pair. Flowers spicate. *From Kerr and L. fil. L. a Willd. iv. 1079.*

Mimosa Catechu. *L. fil. suppl. 439. Donn 130. Roxb. ii. t. 175.*

Catechu. *Kerr in med. obs. v. 151. t. 4, cop. in Woodv. ii. 183. t. 66.*

Lycium Garciae, sive Cate. *Bauh. J. i. b. 61. No fig.—Raii hist. 1628.*

CATECHU, commonly called Terra japonica. In-spissated juice. *Pharm. lond.—Boulduc in ac. sci. abr. by Southw. iii. 265. Cull. ii. 42. Geoffr. ii. 722. Hill 784. Hull phlegm. 281. Lind seam. 275. Linn. 267. Ploucq. bibl. i. 248. Quar. febr. 43. 79. 209; anim. 158. 202. 222. 229. Und. i. 360; ii. 121. 207. 210. Vog. 331. Wortmuller, account from in med. comment. vii. 265.*

Mimosa Catechu. Extract of the wood. *Pharm. edin.—Lew. disp. by Dunc. 255. Murr. J. i. 218; ii. 31. Pears. R. ed. ii. 348.*

Succus japonicus. *Alst.* ii. 480.

Terra japonica. *Blane* 491. *Carth.* ii. 142. *Chalm.* ii. 169. *Dale* 270. *Herm.* 721. *Home, F. clin.* 322. *Hunt. J. jam.* 236. *Lew.* ii. 420. *Lind seam.* 275. *Mead mon.* ii. 266. *Mill. Jos.* 47. *Rutty* 514. *Spielm.* 217. *Neum.* ii. 56. *Monro* ii. 399. *Pringle* 281.

Terra Catechu. *Berg.* 880. *Callisen in act. haun.* i. 421. *Chom.* 452. *Murr.* ii. 415.

Lycium indicum. *Dale* 343.

2. *Leaves bipinnate. Spines and aculei stipular. Spikes globular.* *L. a Willd.*

3. *ACACIA farnesiana*. *Spines setaceous, distinct. Leaves quinquejugate and octojugate; foliations multijugate. Spikes mostly sessile. Petioles with a gland below the foliations. Legumina terete. From L. a Willd.* iv. 1083, &

Mimosa farnesiana. *L. sp.* 1506. *Hort. kew.* iii. 442.

Mimosa spinis geminis distinctis, foliis duplicato-pinnatis, partialibus utrinque octo. *L. ups.* 146.

A. indica, foliis scorpioidis leguminosae, siliquis fuscis teretibus resinosis. *Boerh.* ii. 56.

A. americana. *Sloane cat.* 152.

A. americana farnesiana. *Park. theatr.* 1548.

ACACIA indica farnesiana. *Raii hist.* 977.—*Dale* 343.

Seissaban. *Sonnini i.* 316.

4. *ACACIA arabica*. *Spines in pairs. Leaves trijugate and quadrijugate; foliations multijugate; folioles linear, acute, contiguous. Petioles pubescent, with a gland below the foliations. Legumina*

moniliform, compressed, tomentose. *Obs.* 8766. Specimen from Dr. Wright, probably from the East Indies?—*L. a Willd.* iv. 1085? Glands uncertain.

Mimosa nilotica. *L. sp.* 1506? (*Woodv.* ii. 187. t. 67, in flower, is *A. vera.* *L. a Willd.* *Mimosa scorpioides* *L. sp. ed. i.* 521, and has distinct folioles.)

A. vera. *Bauh. J. i. b.* 429. *Raii hist.* 976. *Boerh.* i. 56. *Bellon.* 123, repr. in

Acacia. *Dod.* 740,

Spina Acatiae. *Lob. obs.* 536; *ic.* ii. 83, &

A. Dioscoridis. *Ger. by Johns.* 1330, & cop. without the legumen and seed in

A. aegyptiaca. *Dalech.* 161.

GUMMI arabicum. Gum arabic. *Pharm, lond.*

—*Bang in act. haun.* i. 239; ii. 65. *Bell, B. i.*

73. *Berg.* 828. *Carth.* i. 288. *Cull.* ii. 414. *For-*

dyce, G. pract. 327. *French in med. obs.* i. 412.

Geoffr. ii. 572. *Heb.* 128. 360. *Herm.* 713. *Hill*

740. *Hunt. J. ven.* 79. *Lew.* i. 479; in *Neum.*

ii. 2. *Linn.* 266. *Monro* ii. 437. *Murr.* ii. 404.

Perciv. T. ii. 281. *Ploucq. bibl.* i. 351. 374. 559.

579. *Pringle* 143. *Quar. febr.* 42. 126. 134. 286.

308. 409. 412; *anim.* 36. 45. 58 to 60. 65. 87.

88. 93. 215. 219. 231. 233. 268. 300. 310. 311.

Ranoe in act. haun. i. 35. 39. *Rutty* 227. *Schrod.*

710; *app.* 5. *Spielm.* 458. *Stoll med.* iii. 95.

103. 271. *Und.* i. 309. *Vog.* 319. *Wintr. in Mead*

i. 228. 231.

Gummi. *Alst.* ii. 382. *Dale* 343. *Mill. Jos.* 7.

M. nilotica. Gum. *Pharm. edin.*—*Lew. disp. by*

Dunc. 256. *Murr. J.* i. 384; ii. 28. 38. *Pears.*

R. ed. ii. 300. *Wright in med. journ.* viii. 270.

Gum arabic. *Chalm.* i. 90. 174; ii. 120. *Cull. clin.* 305. 308. 315. *Darw.* ii. 31. 466. 749. *Denm.* i. 270; ii. 522. *Fordyce, G. sev.* iv. 119. *Home, F. clin.* 66. 135. 322. 324. *Hull phlegm.* 281. *Monro, Don. sold.* 274. *Pott* iii. 93. *Pringle* 273. 279. *Reid, T. phthis.* 155. *Und.* i. 355.

Gomme arabique. *Chom.* 825; *suppl.* 214.

ACACIA. *Chom.* 638. *Lew.* i. 13.

A. vera. *Pharm. austriaco-prov.* 15.—*Geoffr.* ii. 716. *Lew. disp. by Rother.* 3. *Linn.* 266. *Murr.* ii. 404. *Schrod.* 523. *Vog.* 335.

Acaciae succus. *Alst.* ii. 478. *Carth.* iv. 295. *Herm.* 723. *Monro* ii. 438.

Acaciae succus aegyptiacus. *Spielm.* 411.

546. CAPPARIS.

Calyx tetraphyllous, coriaceous. *Petals* 4. *Stamina* long. *Berry* covered with a bark, unilocular, pedunculate. *L.*

1. *Stipulae* spinescent. *L. a Willd.*

1. *CAPPARIS spinosa.* Peduncles uniflorous, solitary. *Stipulae* mostly spinose. Leaves deciduous. Capsules oval. From *L. sp.* 720, and *J. Bauhine.*—*Hort. kew.* ii. 221. *Curt. mag. t.* 291. *Woodv.* iv. 42. t. 228.

Cappares. *Lob. adv.* 281. No fig. On the coasts of Spain Tuscany and the south of France.

Native of the south of Europe, or possibly only naturalised, the authors cited mentioning it as growing in the vicinity of towns.

CAPPARIS. *Pharm. austriaco-prov.* 26.—*Alst.*

i. 370. *Berg.* 449. *Dale* 324. *Geoffr.* iii. 250. *Herm.* 213. *Lew. disp. by Rother.* 127. *Linn.* 159. *Mill. Jos.* 108. *Murr.* ii. 305. *Rutty* 92. *Schrod.* 553. *Spielm.* 47. *Vog.* 233.

C. spinosa. *Bry.* 148.

C. spinosa, fructu minore, folio rotundo. *Chom.* 221; *suppl.* 70.

α obtusifolia. Leaves emarginate and obtuse. *Obs.* 8248. Specimen gathered in a garden.

C. spinosa, fructu minore, folio rotundo. *Magn. monsp.* 48. *Boerh.* ii. 71.

Capparis. *Trag.* 967. *All. nic.* 121. On old walls.

C. spinosa et non spinosa. *Bauh. J.* ii. 63.

C. retuso folio. *Lob. obs.* 359, *repr. in ic.* i. 635, and

C. rotundiore folio. *Ger. by Johns.* 895, and *abr. in*

C. spinosa, folio rotundo. *Park. theatr.* 1023, inner fig.—*Raii hist.* 1629; *eur.* 83. On walls and rubbish in Rome Sienna and Florence.

Leaves subrotundo-oval, the lower of a branch emarginate, the upper obsoletely emarginate with a minute cuspis. *Obs.* 8248.—*Leaves* elliptico-oval. *Obs.* 8249. Specimen gathered by Mr. Boraston on the walls of Florence.

β acutifolia. Leaves acute. *From authors.*

C. ovata. *L. a Willd.* ii. 1131. *Desf.*

Capparis. *Dalech.* 155. *Dod.* 734, *repr. in*

C. folio acuto. *Lob. obs.* 359, *repr. in ic.* i. 634, *Ger. by Johns.* 895, and *cop. in Dalech.* 155, and

C. spinosa folio acuto. *Park. theatr.* 1023. Inner fig.—*Magn. monsp.* 48. In vineyards and on walls.

2. *Unarmed.* L. a Willd.

2. CAPPARIS *Baducca*. Peduncles uniflorous. Leaves perennial, ovato-oblong, crowded in a determinate manner, naked. *L. sp.* 720.

BADUKKA. *Raii hist.* 1630.

3. CAPPARIS *cynophallophora*. Peduncles multiflorous, terminal. Leaves elliptic, obtuse, glabrous. Glands axillary. Leaves oval, perennial. Fruit cylindric, torulose. *From L. a Willd.* ii. 1136; *a Murr.* 488; & *sp.* 721; *mant.* 401. *Swartz. obs.* 209.

Breynia fruticosa, foliis oblongis obtusis. *Browne* 246. *t.* 27. *f.* 1.

Acaciis affinis arbor siliquosa, folio subrotundo singulari, flore stamineo albido, siliqua tereti ventricosa cujus interior tunica est muscosa et eleganter miniata. *Sloane cat.* 153.

CAPPARIS *cynophallophora*. *Wright in med. journ.* viii. 233.

4. CAPPARIS *magna*. Corymbi terminal. Leaves ternate; folioles lanceolate. *From Lour.* i. 404.

547. CAMBOGIA.

Calyx inferior, tetraphyllous and hexaphyllous. *Petals* 4 and 6. *Receptacle* tetragonous. *Berry* unilocular, crowned by the style and stigma. *From Koen. and*

Stalagmitis. *L. a Schreb. n.* 1585.

1. CAMBOGIA *solitaria*.

Guttaefera vera. *Koen. ap. Murr. appar. iv. 655.*

In Siam and Ceylon.

Stalagmitis cambogioides. *L. a Willd. iv. 980.*

GAMBOGIA. Gum resin. *Pharm. lond.—Alst. ii. 432. Biss. ess. i. 188. Cull. ii. 542. Dunc. cases 337. Heb. 190. Lew. i. 456; disp. by Dunc. 308. Mill. Jos. 209. Monro ii. 427. Neum. ii. 29. Ruttj 216. Wintr. in Mead i. 277.*

Cambogium. *Dale 326.* (The botanical authors referred to treat of *Garcinia sulcata*.)

C. Gutta. *Murr. J. i. 276. 380. Pears. R. i. 198. Woodv. iv. 165.*

Stalagmitis cambogioides. *Pears. R. ii. 259.*

Gummi Gutta. *Berg. 461. Brookes nat. hist. vi. 86. Carth. ii. 463. Geoffr. ii. 678. Hill 776. Linn. 161. Vog. 325.*

Gummi Guttae. *Beck, account from in phys. journ. xi. 434. Murr. iv. 106. 654; ap. commentat. gott. ix. 175, and account from in med. comment. xiv. 180. Pears. R. i. 198. Ploucq. bibl. i. 657. Quar. anim. 155. Spielm. 614.*

Gutta Gamba. *Herm. 684.*

Ghitta Jemou. *Schrod. 781.*

Gamboge. *Campet, account from in ann. med. lustr.*

II. ii. 130. Ferriar i. 67. 92; ii. 154. Fordyce, G. in tr. impr. ii. 332. Rush iii. 245. 249; iv. 89.

Gomme-gutte. *Chom. 72.*

548. ACTAEA.

Petals 4. Calyx tetraphyllous. Berry and capsule

unilocular, polyspermous. *Seeds* semiorbicular.
Obs. 8250. 4140. *L.*

1. ACTAEA *corymbosa*. Flowers corymbose. Fruit a berry. *Obs.* 8250. Specimen gathered in Fothergill's garden.

A. spicata. L. sp. 722. *Hort. kew.* ii. 221.

α *nigra*. Berries black. *From authors.—L. sp. α.*

A. spicata. L. succ. n. 464. *Scop. carn. n.* 633.
Host 289. *Poll. n.* 503. *Gou. hort.* 251. Near Montpelier.—*Bot. arr.* 546. *Smith brit.* 562. *Fl. dan. t.* 498. *Huds.* 228. In a wood near Clapham in Yorkshire.

A. caule inermi. L. lapp. n. 217.

Actaea. Dalib. 152.

Christophoriana vulgaris nostras, racemosa et ramosa. Boerh. ii. 62.

Christophoriana. Raii syn. 262, to whom it was shewn by Witham in Haselwood woods in Yorkshire, and found by Newton Lawson and Richardson in Malham Cove near Settle in Yorkshire.—*Dod.* 397, *repr. in Clus. hist.* ii. 86, & *Ger. by Johns.* 979, & *cop. in*

Christophoriana vulgaris. Park. theatr. 379.

Napellus racemosus. Dalech. 1747.

Aconitum racemosum, A. quibusdam Bauh. J. iii. 660.

Calyx caducous; *phylla* oblongo-obovate. *Petals* unguiculate, one third shorter than the calyx; *laminae* elliptic, thrice as long as the ungues, triplicinerve. *Obs.* 8250.

Native of Germany, France, Scandinavia, and the north-west quarter of Yorkshire, a district consisting

of limestone and gritstone mountains, and found at Thorparch in the plain below on limestone.

ACTAEA spicata. *Krock*. ii. n. 812.

β *alba*. Berries white. *Hort. kew.* ii. 221. β. *L.*

sp. β

ACTAEA spicata. *Schoepf* 85.

Native of North America.

γ *rubra*. Berries red. *Hort. kew.* γ

ACTAEA. *Cutl.* 454.

2. *ACTAEA racemosa*. Flowers racemose. Fruit dry. *Obs.* 4140. In a garden.—*L. sp.* 722. *Hort. kew.* ii. 221. *Michaux* i. 308.

Calyx tetraphyllous, caducous; phylla whitish, subrotundo-obovate, concave. *Petals* or *Nectaria* 4, minute, unguiculate, deciduous, white; laminae ovali-cuneiform, with two horns at the end, fleshy; horns irregularly curved. *Stamina* as large as the petals, white. *Germen* ovate, unilocular, polyspermous. *Obs.* 8765. In a garden.

ACTAEA. *Gron. virg.* 79.—*Bart.* 9. *Berg.* 430.

Linn. 159. *Schoepf* 85. *Vog.* 215.

549. SANGUINARIA.

Petals 8. *Calyx* diphyllous. *Capsule* unilocular. *Obs.* 7758. *L.*

1. *SANGUINARIA canadensis*. *L. sp.* 723. *Gron. virg.* ii. 80; *ed.* i. 57. *Hort. kew.* ii. 222. *Curt. mag. t.* 162.

Chelidonium maximum acaulon canadense. *Raii hist.* 1887.

Ranunculus virginianus albus. *Park. theatr.* 326.

Chelidonium maximum canadense acaulon. *Corn.* 212.

SANGUINARIA. *Bart.* 28. *Coxe* 376. *Cutl.* 455. *Schoepf* 86.

Bleeding root. *Mather in ph. tr. abr. by Jones* v. part ii. 160; & *by Hutt.* vi. 86.

α *minus*. Petals from 6 to 8 tenths of an inch long. *Obs.* 8260. Specimen gathered by Dr. Cutler in New England.

Sanguinaria. *Cutl.* 455.

S. minor, flore simplici. *Dill. hort.* 335. *t.* 252. *f.* 326.

β *major*. Petals from 1 inch 1 tenth to 1 inch 4 tenths long. *Obs.* 7758. In Mr. Knowlton's garden.

S. major, flore simplici. *Dill. hort.* 335. *t.* 252. *f.* 325.

Leaf septemlobate, trinervate, rorid; lobes cuneiform, the middlemost mostly semitrifid, segments obtuse and rounded; lateral lobes trapeziform, obtusely crenate. *Scapus* uniflorous. *Bractea* 1, transversely oval, sessile, white, inserted about two thirds from the base of the scapus. *Petals* white, lanceolato oblong, concave, unequal in breadth. *Capsule* elliptic, tetragonous; sutures pubescent, prominent. *Seeds* round, inserted into the sutures, in 2 and 3 rows. *Obs.* 7758.

550. PODOPHYLLUM.

Petals 9. *Calyx* triphyllous. *Berry* unilocular, crowned by the stigma. *L.*

1. *PODOPHYLLUM peltatum*. Leaves peltate, partite. *Obs.* 8251. Specimen gathered in Fothergill's garden.—*L. sp.* 723; *a Murr.* 489. *Hort. kew.* ii. 222.

Anapodophyllum canadense Morini. *Boerh.* ii. 72.

Anapodophyllum canadense. *Cat. i. t.* 24.

Leaves 2, at the end of the stem, scarcely peltate, partite to near the base. *Flower* at the junction of the petioles. *Obs.* 2334.

PODOPHYLLUM. *Schoepf* 86.

P. peltatum. *Bart.* 31. 37. 40. *Coxe* 374.

Anapodium. *Dale* 421. *col.* 1. *par.* 1.

551. CHELIDONIUM.

Calyx diphyllous. *Petals* 4. *Capsule* linear, bivalve and trivalve. *Obs.* 4018. *L.*

1. *CHELIDONIUM Glaucium*. Peduncles uniflorous. Capsule bilocular, bivalve. Stem glabrous. *Obs.* 7544. Specimen gathered by Mr. Boraston on the sea beach at Teignmouth in Devonshire.—*Obs.* 7545. In Saville's garden.—*L. sp.* 724. *Krock. n.* 814. *Fl. dan. t.* 585. *Bot. arr.* 548. *Smith engl. t.* 8.

Glaucium luteum. *Scop. carn. n.* 635. *Smith brit.* 563.

Glaucium flore luteo. *Tourn. paris.* 336. In old sand pits at the end of the plain of Bercy.—*Vaill. paris.* 81, between Bercy and Charenton.

Papaver sylvestre corniculatum. *Trag.* 123.

Papaver corniculatum. *Fuchs. fol.* 520, *cop. in* 504. *c.* 198, &

Papaver corniculatum luteum. *Bauh. J.* iii. 398.

Raii hist. 857; *syn.* 309. Perennial. Found by Richardson among rocks near the summit of Gribgogn a lofty mountain near Llanberris.

Papaver corniculatum majus. *Dod.* 445, who says it sometimes continues for several years; *repr. in*

Papaver corniculatum flavo flore. *Clus. hist.* ii. 91, &

Papaver corniculatum flore luteo. *Ger. by Johns.* 367.

Papaver corniculatum luteum. *Park. theatr.* 262.

Papaver cornutum. *Dalech.* 1712.

Leaves, the lower pinnatifid, the uppermost sinuate. *Germen* scabrous. *Obs.* 7546.—*Capsules*, those in which the valves separating from the dissepiment glabrous, those which entire scabrous. *Seeds* nearly reniform, reticulate; meshes disposed in semicircles.

GLAUCIUM. *Schoepf* 87. *Vog.* 102.

Papaver cornutum. *Geoffr. suite* i. 314.

Papaver corniculatum. *Dale* 209.

Papaver corniculatum majus. *Chom.* 240.

Papaver corniculatum luteum. *Newton in ph. tr. abr. by Lowth.* ii. 642; *by Hutt.* iv. 295.

2. CHELIDONIUM *umbelliferum*. Flowers umbellate. *Obs.* 4018. In hedges near houses.

C. majus. *L. suec. n.* 465 on rubbish; *sp.* 723.

Walc. t. Fl. dan. t. 542. *Bot. arr.* 547. *Smith brit.* 563. *Asso n.* 453. On rubbish.—*Gou. hort.* 252. Corn fields and sides of roads.—*Host* 289.

In hedges, and on the borders of woods.—*Scop. carn. n.* 634. On the sides of roads, and on rocks.

—*Roth germ.* i. 228. In hedges, and on walls and rubbish.—*Lour.* i. 402. *Woodv.* iv. 134. *t.* 263.

Raii hist. 858. *Dod.* 48, repr. in *Ger. by Johns.* 1069, & cop. in

C. majus vulgare. *Park. theatr.* 617. *Tourn. paris.* 15. *Vaill. paris.* 35. *Boerh. i.* 305. In Holland.

C. majus. *Fuchs.* 821. c. 332, cop. in

Chelidonia. *Bauh. J.* iii. 482.

Chelidonium majus. *Trag.* 107.

Papaver corniculatum luteum, Chelidonia dictum. *Raii syn.* 309.

Capsule unilocular. *Obs.* 4018.

CHELIDONIUM. *Alst. i.* 407. *Ploucq. bibl. i.* 34. 176. 228. 234. 244. 253. 289. 481. 606.

C. majus. *Pharm. suec. austriaco-prov.* 29.—*Berg.* 431. *Dale* 210. *Geoffr. iii.* 309. *Krock. n.* 813. *Lew. i.* 328; *disp.* 124; *by Dunc.* 340. *Linn.* 160. *Mill. Jos.* 132. *Murr. ii.* 300. *Quar. anim.* 173. *Rutty* 121. *Schoepf* 86. *Schrod.* 562. *Spielm.* 557. *Vog.* 59. 233. *Wendt, account from in phys. journ. xi.* 139, and *chir. rev. xi. part ii.* 27.

C. majus vulgare. *Chom.* 414; *suppl.* 127.

Chynlen. *Berg.* 908. *Murr. vi.* 153.

552. PAPAVER.

Petals 4. *Calyx* diphyllous. *Capsule* semimultilocular, opening by pores underneath the stigma. *Obs.* 5315. *L.*

1. *Capsules glabrous.* *L.*

1. **PAPAVER amplexicaule.** *Calyces* glabrous. *Leaves* amplexicaul, incise. *Obs.* 942. In a garden.

P. somniferum. *L. sp.* 726. *Hort. kew.* ii. 224. *Bot. arr.* 552. *Smith brit.* 568, in corn fields and on rubbish, scarcely indigenous; *engl. t.* 1399. *Huds.* 231. Corn fields.—*Gou. hort.* 253. Near Montpellier.—*Reich. franc. n.* 343. On the sides of roads, the refuse of gardens.

P. capsula, flore, folio lato glabro pallido, maximis. *Boerh. i.* 279.

Papaver. *Trag.* 122.

P. sativum. *Raii hist.* 853. *Fuchs.* 502. *c.* 197, *cop. in*

P. silvestre. *Dalech.* 1711, peduncles improperly represented as hirsute; &

Hypecoum siliquosum. *Bauh. J.* ii. 899. Peduncles glabrous. (The name and descr. belong to *Hypecoum.*)

Filaments dilated upwards, cuspidate at the end. *Obs.* 942.

Native of the old continent, naturalised in the southern parts of Europe, and seminaturalised in England.

PAPAYER somniferum. Capsule, and its inspissated juice. *Pharm. edin.*—*Krock. n.* 821. *Lew. disp. by Dunc.* 270. *Murr. J.* i. 117; ii. 54. *Pears. R.* ii. 216. 239; *ed.* ii. 333. 349. 489.

Papaver. *Boerh.* 359. *Cels.* 239. *l.* 4. *c.* 24. *Ploucq. bibl.* i. 72.

OPIUM. *Pharm. lond.*—*Aaskow in act. haun.* i. 162. *Abernethy, account from in Und.* ii. 75. *Adair in med. comment.* ix. 211. *Aitk.* 118. 125. 127. 128. 134. 154. 174. 210. *Alst.* ii. 455, and in *med. ess.* v. 93. *Atkins, in phys. journ.* viii. 50; xi. 516. *Awsiter in med. mus.* i. 473. *Bab-*

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journal. ii. 512. *Crumpe*, account from in *chir. rev.* i. 324. 389. *Cull.* ii. 224; *clin.* 79. 83. 91. 158. 276. 285. 300. 306. 308. 312; *pract. n.* 1198. 1221. 1397. 1434. 1445. 1471. 1480. 1541. 1571. 1828. *Currie*, *James* in *Rollo* 147; *W.* account from in *med. rev.* vi. 64. *Dallas* in *ann. med.* iii. 324. *Dancer*, account from in *med. rev.* vii. 504. *Darw.* ii. 16. 23. 29. 31. 41. 43. 44. 47. 52. 65 to 68. 71 to 73. 78. 79. 87. 99. 100. 102. 108. 111. 114. 117. 118. 125. 127 to 130. 132. 133. 135 to 138. 144. 152. 153. 155. 157. 160. 162. 182. 185. 198. 203 to 205. 208. 209. 216. 217. 222. 223. 245. 251. 252. 256. 262. 269. 273. 277. 292. 298. 302. 304. 308. 310. 314. 324. 327. 329. 331. 332. 336. 337. 341. 344 to 346. 359 to 362. 392. 441. 449. 460. 462. 479. 487. 489. 494. 495. 497. 500. 501. 506. 514. 516. 522. 524. 529. 535. 678. 706. 710. 716. 721. 722. 724. 725. 731. 745. 748. 749. *Davies* in *phys. journal*. xvi. 496. *Daws.* in *lett.* 290. 292. *Denm.* i. 176. 272. 275; ii. 422. 476. *Dickins.* 177. *Dobs.* in *med. mus.* i. 62. *Docker* in *phys. journal*. iii. 102; vii. 258. *Dunc. F.* account from *ib.* ix. 184. *Falcon.* in *med. soc.* ii. 223. *Farr* in *med. obs.* iv. 92. *Fergus.* account from in *med. rev.* vii. 136. *Ferr.* i. 18. 174. 175; iii. 89. 90. *Fordyce*, *G.* *fev.* i. 203; ii. 60. 145. 150; iii. 234; v. 81. 93. 102; vi. 28. 40; *pract.* 152. 154. 156. 208. 297. 330. 360. 361; *W. fragm.* 20. *Folherg. J.* in *med. obs.* vi. 79. *Fowle*, account from in *med. rev.* iv. 347. *Fournier*, account from *ib.* vi. 400. *Fowl. R.* in *contri.* 517, and account from in *ann. med.* iv. 161. *Gassner*, account from in *phys. journal*. xiv. 524. *Geoffr.* ii. 687. *Gloster* in *med. comment.* i.

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Mos. 487. 489. *Pelleton, account from in phys.*
journ. ii. 482. *Perciv. T.* i. 356. *Pole in med.*
soc. ii. 373. *Pringle* 152. *Rush* i. 152; iii. 229.
 288. 298. 303; iv. 101; v. 121. *Und.* i. 110.
 117. 131. 134. 135. 185. 205*. 231; ii. 42. 58.
 190. *Vaugh. W. in med. soc.* ii. 130. *Wright*
in med. facts vii. 13; & *ann. med.* ii. 349.

PULVIS opiatus. *Heb.* 94.

ELIXIR paregoricum. *Mead mon.* i, 117.

CONFECTIO opiata. *Geach, account from in*
med. rev. i. 589.

ELECTUARIUM Dioscordion. *Quar. febr.* 93.

THERIACA Andromachi. *Daws. in lett.* 280.
 290.

Theriaca. *Pringle* 306. 317. 410.

OPIATA. *Aaskow in act. haun.* i. 309. *Fordyce,*
W. fragm. 25. 70. 73. 91. *Heb.* 251. *Hoffm.*
 vi. 78. *Quar. anim.* 35. 48. 114. 132. 158. 167.
 281. 290. 295. 310; *febr.* 278. 283. 331. 425.
Stoll aph. n. 320. 448. 829; *med.* ii. 37. 183;
 iii. 295.

Opiates. *Aitk.* 141. 143. 150. 158. 160. 161. 175.
 193. 202 to 204. 206. 209. *Blane* 390. 392. 424.
 454. 455. *Brown* i. 268. 347. 349. *Chalm.* i.
 85. 90. 129. 189. 190. 205; ii. 35. 37. 79. *Clark,*
James account from in ann med. ii. 180, & *chir.*
rev. iv. 289; *J. fev.* 28; *long roy.* 260. 396.
Cull. pr. n. 231. 233. 299. 375. 395. 468. 487.
 570. 580. 581. 620. 648. 693. 802. 923. 924. 1066.

1083. 1421. 1461. 1503. *Darw.* ii. 69. 73. 235.
 717. 723. 725. 742. 743. 748. *Denm.* i. 172.
 254. 268. 335; ii. 270. 335. 397. 418. 516. 520.
Dickins. 207. 208. *Fordyce, G. pr.* 173. 178.
 236. 314. 323; *W. fev.* 219. *Hall, R. in ann.*
med. iv. 339. *Hamilt. Rob. of Lynn, account*
from in chir. rev. ix. 553. 555. *Hillary* 95. 209.
 232. *Home, F. clin.* 50. 55. 66. *Hull caes.* 244.
Hunt. J. ven. 90. 91. 108. 164; *jam.* 128. 228.
 235. 239. *Huxh. fev.* 37. 50. *Lind hot clim.*
 92. 244. 261; *seam.* 202. 302. *Macgregor in ann.*
med. iii. 343. *Monro, Don. sold.* i. 258. 289.
 347. 373. 365; ii. 112. 170; *G. in lett.* 271.
Mos. 215. *Paisley in ann. med. lustr.* II. i. 419.
Perciv. T. in Mease 163. *Pringle* 232. 263. 266.
 272. 274. 279. 284. 318; *app. p. cviii.* *Quier*
in lett. 145. *Rush* ii. 135. 242. 243. *Turn. tib.*
 100. *Willan lond.* 166.

Paregorica. *Quar. anim.* 49. 199; *febr.* 285. 320.

Anodynes. *Blane* 422. *Mos.* 484.

α *nigrum*.—Seeds brown. *Berg. mat. med. n.* 287.

α. *L. sp. β. Hort. kew. β*

P. somniferum. *Mill. Ph. dict. n.* 8.

P. nigro semine sylvestris. *Magn. monsp.* 197.

On burnt up spots on Mount Capouladou.

P. hortense, semine nigro, sylvestre Dioscoridis, ni-
grum Plinii. *Boerh.* i. 279.

P. nigrum sativum. *Dod.* 442, *repr. in Lob. ic. i.*
 274, *cop. in Dalech.* 1710, & *repr. in*

P. sativum nigrum. *Ger. by Johns.* 369.

PAPAYER nigrum. *Berg.* 453. *Dale* 209.

Geoffr. suite i. 325. *Lew.* ii. 179. *Linn.* 160.

Mill. Jos. 330. *Murr.* ii. 215. *Rutty* 377. *Vog.*
 164.

P. sativum nigrum. Schrod. 640.

P. hortense, nigro semine, sylvestre Dioscoridis, nigrum Plinio. Boccl. ap. Herm. 437. Chom. 771.

3 *album*.—Seeds white. Berg. mat. med. n. 287 β.

L. sp. α. Hort. kew. α

P. somniferum. Woodv. iii. 503. t. 185.

P. album. Mill. Ph. dict. n. 9, who observes that a capsule from which Opium had been extracted in Turkey was of a different shape from those of this species.—Bauh. J. iii. 590. Cultivated in gardens, and not unfrequently in fields, especially the smallest kind with a pale purple or blue corolla, and which is frequently seen as a weed in gardens.

P. spontaneum sylvestre et hortense. Lob. ic. i. 274, cop. in Dalech. 1710, and repr. in

P. sylvestre. Ger. by Johns. 370. (mispr. 400.) Raii syn. 308.

P. spontaneum sylvestre. Raii hist. 854.

P. sativum Matthioli. Dalech. 1708. Peduncles erroneously represented as hirsute.

P. sativum. Lob. obs. 142, repr. in

P. album sativum. Lob. ic. i. 272,

P. sativum tertium. Dod. 442, &

P. sativum album. Ger. by Johns. 869, & cop. in

P. sativum simplex nigrum. Park. theatr. 366.

P. simplex album sativum. Park. theatr. 365.

PAPAYER album. White Poppy. Capsule.

Pharm. lond.—Berg. 453. Blane 395. Boerh.

aph. n. 976. Dale 208. Fordyce, G. pract. 278.

279. Heb. 259. Lew. ii. 179. Linn. 160. Mill.

Jos. 328. Monro iii. 193. Murr. ii. 215. Stoll

med. iii. 149. Swiet. iii. 44. Und. i. 187*, 309;

ii. 69. Vog. 164. Willan lond. 301.

P. sativum. Carth. i. 335. Spielm. 515.

P. hortense. *Rutty* 376.

P. sativum album. *Schrod.* 640.

P. hortense semine albo, sativum Dioscoridis, album
Plinio. Boecl. ap. Herm. 437. *Chom.* 771.

Papaver. *Fordyce, G. pract.* 207. *Herm.* 436.

Poppy. *Arnot in med. ess.* v. 90. *Blane* 395. 485.
486. *Chalm.* i. 102; ii. 36. 46. 106. 121. 129.

Cull. clin. 233. *Denm.* i. 74. *Home, Ever. ac-*
count from in ann. med. iii. 55. 56. *Hull phlegm.*
274. 295. *Perciv. T.* ii. 405. *Ware epiph.* 40;
ophth. 50. 51. 157.

White Poppy. *Pringle* 137. 278. *Und.* i. 44. 102.
117. 123. 318. 323.

DIACODIUM. *Quar. febr.* 287. 319. 320.

Diacodion. *Wintr. in Mead mon.* ii. 250.

Syrupus Diacodion. *Fordyce, G. pr.* 256. 280.

Syrupus e Meconio. *Hillary* 90. *Pringle* 164. *Reid,*
T. phthis. 177. 192. *Syd.* 426.

Syrup of White Poppies. *Und.* i. 44. *Vaume, ac-*
count from in chir. rev. iii. 399.

Syrup of Poppies. *Blanc* 395.

2. *PAPAYER Rhoëas.* Capsules turbinato-obovate.
Stem with many flowers. Peduncles with horizon-
tal hairs. Leaves bipinnatifid. *Obs.* 1576. In
corn fields.—*L. sp.* 726; *suec. n.* 468. *Huds.*
230. *Lightf.* 279. *Woodv.* iii. 512. *t.* 186. *Krock.*
n. 820. *Curt. lond.* iii. 32. *t.* 215. *Bot. arr.* 551.
Smith brit. 567; *engl. t.* 645. *Lob. obs.* 143,
repr. in Ger. by Johns. 371, (mispr. 401,) *cop. in*
Park. theatr. 366, & *repr. in*

P. erraticum. *Dod.* 444.

P. laciniato folio, capitulo brevior glabro, annuum,
Rhoëas dictum. *Raii syn.* 308.

P. erraticum, majus, *ποια*; Dioscoridi Theophrasto Plinio. *Tourn. paris.* 123. *Vaill. paris.* 156.

P. erraticum alterum. *Fuchs.* 516, *fol. ed. cop. in* 500. c. 197.

Argemone. *Trag.* 120.

P. erraticum primum. *Fuchs.* 514. *ed. fol. cop. in* 500, c. 197,

P. Rhoeas minus. *Dalech.* 439, &

P. erraticum rubrum campestre. *Bauh. J.* iii. b. 395. The unexpanded flowers represented erect, the artist possibly conceiving the peduncles to be nodding in consequence of their having been faded.

P. Rhoeas prius. *Dalech.* 438.

Corolla reddish scarlet. *Filaments* capillary, attenuate. *Stigma* convex; margin deflex, crenate; segments incumbent, roundish 8 and 9. *Obs.* 1576.

RHOEAS. *Linn.* 160. *Murr.* ii. 212. *Quar. febr.* 43. 78. 287. 308.

P. Rhoeas. *Berg.* 460. *Carth.* iv. 248. *Spielm.* 520. *Swiet.* iv. 44.

P. rubrum. *Dale* 209. *Mill. Jos.* 331.

P. erraticum. Red Poppy. *Petals.* *Pharm. lond.* —*Alst.* ii. 461. *Boulduc in ac. sc. abr. by Southw.* iii. 282. *Geoffr. suite i.* 317. *Herm.* 609. *Lew.* ii. 183; *disp. by Dunc.* 270. *Monro* iii. 192. *Murr.* ii. 212. *Schrod.* 641. *Vog.* 148.

553. ARGEMONE.

Petals 5 and 6. *Calyx* diphyllous and triphyllous.

Capsule unilocular, polyspermous, semivalvular.

L. a Gmel. L.

1. ARGEMONE *sexvalvis*.—Capsules sexvalve. Leaves spinose. *L.*

A. mexicana. *L. a Murr.* 490; *sp.* 727. *Hort. kew.* ii. 225. *Curt. mag. t.* 243. *Boerh.* i. 280.

Argemone. *Browne* 244.

Papaver spinosum. *Bauh. J.* iii. b. 297. *Clus. hist.* ii. 93, repr. in *Ger. by Johns.* 371, (mispr. 401,) & cop. in

Papaver spinosum americanum. *Park. theatr.* 366.

ARGEMONE *mexicana.* *Wright in med. journ.* viii. 225.

Glaucium. *Dale* 210.

Papaver spinosum. *Schoepf* 87.

Thistleseed. *Graing.* 9. 24. 35.

554. MAMMEA.

Petals 4. *Calyx* bipartite, deciduous. *Berry* tetraspermous and trispermous. *From L. a Schreb.* & *Vahl. L.*

1. MAMMEA *obtusifolia*.—Leaves very obtuse, striate. Peduncles short. Berries tetraspermous. *Vahl.*

Mammea. *Mill, Ph. dict.*

M. foliis ovalibus nitidis, fructu subrotundo scabro. *Browne* 249.

Malus persica maxima, foliis rotundioribus splendentibus glabris. *Sloane cat.* 179.

Arbor indica, Mamei dicta. *Raii hist.* 1665.

Mamei folium. *Dalech.* 1836.

MAMMEA *americana.* *L. a Willd.* ii. 1157; *sp.*

731. *Hort. kew.* ii. 228.—*Bry.* 206. *Jacq. amer.* 8vo, 344. *Schoepf* 88.

555. CLUSIA.

Calyx imbricate; phylla from 4 to 16, opposite.
Petals 4 to 6. *Stamina* 5 to many. *Style* none.
Stigma peltate, with from 4 to 12 radii. *Capsule*
 unilocular, polyspermous, with from 4 to 12 valves.
Juss. L.

Flowers not unfrequently abortive from some imperfection in the antherae or pistil. *From L. and Juss.*

1. *CLUSIA rosea*. Leaves without veins. *Petals* 6.
L. sp. 1495.—*Schoepf* 153.

2. *CLUSIA flava*. Leaves without veins. *Petals* 4.
L. sp. 1495. *H. K.* iii. 432.

Terebinthus folio singulari non alato rotundo succulento. *Sloane cat.* 167.

CLUSIA. Browne 236.

556. AEGLE.

Petals 5. *Calyx* inferior, quinquelobate. *Style* short. *Stigma* oval. *Berry* decemlocular; cells polyspermous. *From Corr. in lin. tr.* v. 222.

1. *AEGLE Marmelos.* *Corr. ib.* 223. *Roxb.* ii. 23.
t. 143.

Cucurbitifera trifolia spinosa medica, fructus pulpa

- cydonii aemula. *Pluk. alm.* 125; *phyt. t.* 170.
f. 5.
Cucurbitifera trifolia indica, fructus pulpa cydonii
aemula. *Raii hist.* 1665.
Covalam. *Rheede iii.* 37. t. 37.
Bilacus. *Rumph. i.* 197. t. 81.
CRATEVA Marmelos. *L. sp.* 637.—*Bry.* 192.
Marmelle. *Thunb. trav.* iv. 179.
Bilva. *Jones in as. res.* ii. 349?

557. NYMPHAEA.

Petals many. *Calyx* tetraphyllous and pentaphyl-
lous. *Berry* multilocular, truncate. *L.*

1. *NYMPHAEA lutea*. *Calyx* pentaphyllous, larger
than the corolla. Leaves cordate; margin entire.
L. suec. n. 469; *sp.* 729. *Hort. kew.* ii. 227.
Bot. arr. 554. *Smith engl. t.* 159; *brit.* 569. *Fl.*
dan. t. 603. *Raii hist.* 1319; *syn.* 368. *Krock.*
n. 822. *Dod.* 575, repr. in *Lob. obs.* 324; *ic. i.*
594, & *Ger. by Johns.* 819, & cop. in
N. major lutea. *Park. theatr.* 1252.
N. calice magno pentaphyllo. *L. lapp. n.* 218.
(*Cutl.* 456 is probably *N. advena* *Hort. kew.* ii.
226.)
N. lutea major. *Tourn. paris.* 507. *Vaill. paris.*
145. *Boerh. i.* 281. In Holland.—*Magn. monsp.*
188.
N. lutea. *Fuchs.* 536. *ed. fol. cop. in* 520. c. 204,
& *Bauh. J.* iii. 771, & *Trag.* 697, which repr.
in
N. citrina. *Cord. fol.* 99, p. 2, & cop. in

N. lutea minor. Dalech. 1009. Leaves too acute.
NYMPHAEA lutea. Carth. iv. 84. Dale 238.
Herm. 174. *Lew.* ii. 154. *Mill. Jos.* 318 *Rutty*
 355. *Schrod.* 637. *Späetm.* 462. *Vog.* 241. *With.*
in bot. arr. 555.

N. lutea major. Alst. i. 484.

Nenuphar luteum. Geoffr. suite i. 205.

2. *NYMPHAEA alba.* Calyx tetraphyllous, about as long as the corolla. Leaves cordate; margin entire. *Obs.* 4838. In a pool.—*L. suec. n.* 470; *sp.* 729. *Fl. dan. t.* 602. *Bot. arr.* 555. *Smith engl. t.* 160; *brit.* 570. *Raii hist.* 1320; *syn.* 368. *Dod.* 575, repr. in *Lob. obs.* 324; *ic. i.* 595, and *Ger. by Johns.* 819, & cop. in

N. alba major vulgaris. Park. theatr. 1251.

N. calice tetraphyllo, corolla multiplici. *L. lapp.* n. 219.

Leuconymphaea, N. alba major. Boerh. i. 281. In Holland.

N. alba major. Tourn. paris. 507. *Vaill. paris.* 145. *Magn. monsp.* 188.

N. candida. Fuchs. 535, ed. fol. cop. in 520. c. 204, *Trag.* 696, which repr. in

N. alba. Cord. fol. 99, p. 1, & cop. in *Bauh. J.* iii. 770. Leaves too acute.

N. major alba. Dalech. 1008.

N. lutea major. Dalech. 1009.

(*N. foliis integerrimis cordatis, calyce tetraphyllo, corolla multiplici.* Gron. virg. 81,

N. foliis cordatis integerrimis, calyce quadrifido. *Cult* 456, &

N. alba major. Sloane cat. 120, will probably prove
N. odorata Hort. kew. ii. 227.

Native of Europe from Italy to Lapland, and possibly of America from the West Indies to New England.

NYMPHAEA alba. Berg. 463. *Carth.* iv. 84. Dale 238. Krock. n. 823. Lew. ii. 154; *disp.* 186. Linn. 162. Mill. Jos. 317. Murr. iii. 532. Ruttj 355. Schoepf 87. Schrod. 637. Vog. 154, 240.

N. alba major. Herm. 174.

Nymphaea. Alst. i. 483. Herm. 611. Spielm. 462.

Nenuphar album. Geoffr. suite i. 202.

3. *NYMPHAEA Lotus.* Calyx tetraphyllous. Leaves cordate, dentate, glabrous; lobes approximate. From *L. a Willd.* ii. 1153; *sp.* 729.

N. foliis amplioribus profunde crenatis subtus areolatis. Browne 243.

N. indica, flore candido, folio in ambitu serrato. Sloane cat. 120.

N. alba major altera, sive *Lotus aegyptia.* Park. theatr. 1251, cop. in

Lotus aegyptia. Stap. 450.

N. alba major aegyptiaca, sive *Lotus aegyptia.* Raii hist. 1321.

NYMPHAEA Lotus. Bry. 12. Jones in as. res. iv. 293.

558. BIXA.

Petals 10. *Calyx* quinquedentate. *Capsule* hispid, bivalve. *L.*

1. BIXA *Orellana*. *L. sp.* 730. *Hort. kew.* ii. 228.
Bixa. *Browne* 254.
Mitella americana maxima tinctoria. *Boerh.* i. 208.
Urucu. *Sloane cat.* 150.
Daburi. *Ger. by Johns.* 1554, n. 23, inner fig. cop.
in Bauh. J. i. b. 439.
Arbor mexicana, fructu castaneae, coccifera. *Raii*
hist. 1771.
B. Oviedi. *Clus. ex.* 74, cop. *in Bauh. J.* i. b.
440.
ORLEANA. *Pharm. austriaco-prov.* 53.—*Berg.*
466. *Chom.* 450. *Dale* 338. *Linn.* 162. *Murr.*
iii. 392. *Schoepf* 88.
B. Orleana. *Wright in med. journ.* viii. 229.
B. Urucu. *Sauv. nos.* i. 316.
Annotto. *Lew. in Neum.* ii. 235.

559. GRIAS.

Petals 4. *Calyx* quadrifid. *Stigma* sessile, cruciform. *Drupe*. *Nut* with 8 furrows. *L.* probably from *Browne*.

1. GRIAS *cauliflora*. *L. sp.* 732. *Swartz, obs.* 215.
Drupe with 8 furrows. *Nut* oblong.
Calophyllum. *Browne* 245.
GRIAS cauliflora. *Bry.* 251.

560. CALOPHYLLUM.

Petals 4. *Calyx* tetraphyllous, coloured. *Drupe* globular. *L.*

1. CALOPHYLLUM *Inophyllum*. Leaves oval. *L.*
sp. 732.

Bintangor maritima. *Rumph.* ii. 211. *t.* 71.

PONNA. *Raii hist.* 1525.

2. CALOPHYLLUM *Calaba*. Leaves ovate, obtuse.
L. sp. 732. *Jacq. amer. ed.* 8vo, 346. *Swartz.*
obs. 216.

Arbor altissima, foliis oblongis nitidissimis nervosis.
Browne 372.

Mali persicae mameyae dictae folio longiore arbor
maxima, cortice sulcato cinereo amaro. *Sloane*
cat. 180.

Tsjerou-Ponna. *Raii hist.* 1537.

BASTARD MAMMEE. *Long* 835.

561. TILIA.

Calyx pentaphyllous. *Petals* 5. *Capsule* globular,
with 5 cells and 5 valves, opening at the base.
Seeds, seldom more than one coming to perfection.
Obs. 4033. *L.*

1. TILIA *barbata*. Flowers without nectaria. Leaves
cordato-ovate; axillae of the veins underneath
barbate. *Obs.* 297. In an avenue.

T. europaea. *Smith brit.* 571; *engl. t.* 610. *L.*
sp. 733. *Fl. dan. t.* 553. *Lightf.* 280. In walks
and avenues.

The Lime tree. *Evel. by Hunt.* i. 195. *t. at p.*
194.

The Linden tree and its seed. *Le Pluche nat. del.*
ii. *t.* 21.

Tilia. *Dod.* 826, repr. in

T. foemina Theophrasti. *Lob. obs.* 606; *ic.* ii. 188, cop. in

T. foemina major. *Park. theatr.* 1407, &

T. foemina. *Park. par. t.* 609, f. 1, and repr. in *Ger. by Johns.* 1483. *Tab. ic.* 983. *Cam. epit.* 93. *Dalech.* 89.

α *hirsutula*. Upper surface of the leaves hirsutulous. From *J. Bauh. & Scop.*

T. europaea communis. *Hort. kew.* ii. 229 α

T. europaea. *L. suec. n.* 471. *Gou. hort.* 254. Near Montpelier.—*Mill. Ph. dict. n.* 2.

T. platyphyllos. *Scop. carn. n.* 641.

Tilia. *L. phil.* 259.

T. foemina, folio majore. *Vaill. paris.* 192. *Magn. hort.* 166. *Boerh.* ii. 230.

T. foemina. *Fuchs.* 818. c. 331, imit. in

T. sativa. *Trag.* 1110, &

T. vulgaris platyphyllos. *Bauh. J. i. b.* 133. *Raii hist.* 1694, not a native of Britain; *syn.* 473. In public walks and squares.—*Magn. monsp.* 254. In the fissures of rocks on Mount Capouladou.

Native of Carniola, Silesia, the Palatinate, France, and Sweden.

TILIA. *Pharm. austriaco-prov.* 71. *suec.*—*Alst.* ii. 238. *Berg.* 467. *Carth.* iv. 234. *Chom.* 358; *suppl.* 110. *Geoffr. suite* iii. 196. *Herm.* 592. *Krock.* n. 824. *Lew.* ii. 436; *disp. by Rother.* 257. *Linn.* 162. *Mill. Jos.* 438. *Monro* iii. 281. *Murr.* iii. 527. *Ploucq. bibl.* i. 433. *Rutty* 518. *Schrod.* 692. *Spielm.* 348 *Vog.* 122.

— *T. foemina*. *Dale* 330.

β *parvifolia*. Leaves glabrous on the upper side. *Obs.* 297. *Sal. W.* 91. *Hort. kew.* ii. 229 γ

(where *parviflora* is probably a misprint for *parvifolia*.)

T. parvifolia. *Smith engl. t.* 1705.

T. europaea. *Poll. n.* 510. *Roth germ.* ii. 587. *Abb. n.* 390. In woods in Bedfordshire, rare.—*Relh. n.* 388, White wood near Gamlingay in Cambridgeshire.

T. cordata. *Mill. Ph. dict. n.* 1. In woods in many parts of England.

T. ulmifolia. *Scop. carn. n.* 642.

T. foemina folio minore. *Magn. hort.* 196. *Boerh.* ii. 230. *Vaill. paris.* 192.

T. folio minore. *Bauh. J. i. b.* 137. (The fig. of the seminal leaves belongs to α) In the woods of the Pays des Vosges in Lorraine and in Silesia.—*Raii hist.* 1695; *syn.* 473. In woods and hedges in Essex and Sussex, and observed by Lister in Lincolnshire.

T. ulmifolia, semine hexagono. *Dill. ap. Raii syn.* 473. Observed by Merret at Whitstable and Darking in Surry.—*Rupp. ab Hall.* 100.

T. sylvestris. *Trag.* 1111. No fig.

Leaves obliquely and obsoletely truncate at the base, acuminate, from $\frac{3}{4}$ to $3\frac{1}{4}$ inches long. *Obs.* 297.

Native of Carniola, Silesia, the Palatinate, Lorraine, Sussex, Essex, Oxfordshire, Worcestershire in Hurcot wood near Kidderminster, and in woods on both sides of the Severn between Kidderminster and Worcester, Bedfordshire, Cambridgeshire, Lincolnshire, and in a hedge near the eastern extremity of the Marklands, a common near Clown in Derbyshire.

TILIA foemina folio minore. *Cod. med. p.* cxvii. —*Dale* 330.

562. GREUIA.

Petals 5. *Nectaria* 5. *Calyx* pentaphyllous and quinquedentate. *Germen* on a columnar receptacle. *Berry* quadrilocular. *Obs.* 5571, & from *L.* & *L. fil.*

1. *Calyx* pentaphyllous.

1. GREUIA *orientalis*. Flowers solitary. Leaves sublanceolate. *L. sp.* 1367. *H. K.* iii. 314.

FRUTEX baccifer malabaricus, fructu plano-rotundo piloso tetrapyreno. *Raii hist.* 1624.

563. MICROCOS.

Calyx pentaphyllous. *Petals* 5. *Nectarium* none. *Drupe*. *Nut* trilocular. *L. a Willd.* *L.*

1. MICROCOS *paniculata*. *L. sp.* 733.

Grewia Microcos. *L. a Murr.* 827.

SCHAGERI COTTAM. *Raii hist.* 1553.

564. AUGIA.

Petals 5. *Calyx* inferior, truncate. *Drupe* orbicular.

1. AUGIA *sinensis*. From *Lour.* i. 411.

565. ELAEOCARPUS.

Petals 5, lacerate. *Antherae* with 2 valves at the end. *Calyx* pentaphyllous. *Drupe* with a curled nucleus. *L.*

1. ELAEOCARPUS *serrata*. Leaves alternate, lanceolato-elliptic, serrate. Racemi axillary. *L. a Willd.* ii. 1169; *sp.* 734. *Retz. obs.* iv. 27. Leaves obovate. Specimen gathered by Koenig in India.

Olea sylvestris malabarica, fructu dulci. *Raii hist.* 1546.

GANITRUS. *Rumph.* iii. 160. *t.* 101.

2. ELAEOCARPUS *integrifolia*. Leaves entire at the margin. Racemi axillary. *From L. a Willd.* ii. 1170.

GANITRUM oblongum. *Rumph.* iii. 163. *t.* 102.

3. ELAEOCARPUS *copallifera*. Leaves entire at the margin. Panicle terminal. *From Retz. obs.* iv. 27, & *L. a Willd.* ii. 1170.

Vateria indica. *L. sp.* 734.

Amygdalae affinis indica, fructu umbilicato, nucleo nudo cortice pulvinato trifido tecto. *Raii hist.* 1482.

COPAL orientale. *Schreb. ap. Linn.* 285.

566. LECYTHIS.

Petals 6. *Calyx* hexaphyllous. *Nectarium* ligu-

late, staminiferous. *Pericarpium* cut round, polyspermous. *L.*

1. *LECYTHIS Ollaria*. Leaves sessile, cordato-ovate, mostly entire at the margin. *L. a Murr.* 494; *sp.* 734.

NUCIFERA brasiliensis, cortice fructus ligneo quatuor nuces continente. *Raii hist.* 1677.

2. *LECYTHIS minor*. Leaves petiolate, lanceolate, serrate. *L. a Murr.* 494.—*Jacq. amer.* 8vo, 210.

567. XYLOPIA.

Calyx tridentate and quinquedentate. *Petals* 6. *Capsule* unilocular, monospermous. From Browne. *L.* (*Juss.* 284, & *L. a Schreb. n.* 946, has a triphyllous calyx, and from 2 to 15 germina and capsules.)

1. *XYLOPIA glabra*. Peduncles mostly uniflorous. Fruit glabrous. *L. sp.* 1367.

XYLOPICRUM foliis amplioribus nitidis ovatis, petiolis brevibus, fructibus glabris. *Browne* 251.

Bitter wood. *Long* 819.

568. THEA.

Calyx triphyllous to hexaphyllous. *Petals* mostly 6. *Capsule* tricoccous. *Obs.* 5727, and from *L. & Lour.*

1. *THEA cochinchinensis*. Flowers solitary, terminal. Calyces triphyllous to pentaphyllous. Petals 5. From *Lour.* i. 413.

2. *THEA sinensis*. Peduncles uniflorous. Calyces pentaphyllous and hexaphyllous. Petals 6 to 9. *Obs.* 5727. Specimen gathered in Chelsea garden, and from *L. & Lour.*

THEA. *Alst.* ii. 233. *Baldaeus*, account from in *ph. tr. abr.* by *Hutt.* i. 690. *Dale* 321. *Fordyce*, *G. pract.* 207. *Heb.* 201. 371. *Herm.* 500. *Lew.* ii. 427; *disp.* by *Rother.* 256. *Linn.* 163. *Mill. Jos.* 434. *Pears. R.* i. 97; *ed.* ii. 289. *Pechlin*, account from in *ph. tr. abr.* by *Hutt.* iii. 119. *Spielm.* 430. *Wintr. in Mead mon.* i. 257.

Thec orientale. *Pharm. austriaco-prov.* 71.

Thee. *Ploucq. bibl.* i. 286. *Schrod. app.* 10. *Vog.* 86.

The. *Chom.* 262. *Geoffr.* ii. 274.

Tea. *Conradi in phys. journ.* i. 51. *Cull. pr. n.* 1198. 1241. 1399. *Fotherg. J. in med. obs.* vi. 122. 131. *Letts. account from in med. rev.* ii. 188. *Neum.* ii. 142. *Nisbet*, account from in *med. rev.* vi. 416. *Perciv. T.* i. 85. *Rush* ii. 78. *Rutty* 510.

T. vera. *Carth.* iv. 171.

a grandifolia. Leaves obovato-elliptic. *Obs.* 8620. In Mr. Sitwell's garden.

T. viridis. *L. sp.* 735; *mant.* 402. *Sal. W.* 90. *Donn* 70. *Forst. J. in Osb.* ii. 353.

T. cantoniensis. *Lour.* i. 414.

Thea. *Letts. diss.* 25. *t. f.* 1 in flower and fruit;

f. 2 in leaf from a plant in Kew garden.—*Woodv.* iv. 116. *t.* 256, from the garden of Mr. Liptrap.

T. grandifolia. *Sal. R. hort.* 370.

T. Bohea laxa. *Hort. kew.* ii. 230.

Leaves of last year $4\frac{1}{2}$ inches long, of the present year $2\frac{3}{4}$ long. *Obs.* 8620. June 1.

THEA viridis. *Berg.* 471. *Bry.* 131. *Murr.* iv. 226.

Green Tea. *Aith.* 136. *Denm.* i. 103.

β *parvifolia.* *Leaves* lanceolato-elliptic. *Obs.* 5727.

T. parvifolia. *Sal. R. hort.* 370.

T. Bohea. *L. sp.* 734; *mant.* 402. *Thunb. trav.* iv. 91. *Forst. J. in Osb.* ii. 352. *Sal. W.* 90. *Donn* 70.

T. Bohea stricta. *Hort. kew.* ii. 231.

Leaves emarginate, $3\frac{1}{2}$ inches long. *Calyx* pentaphyllous; *phylla* incumbent. *Petals* 6. *Obs.* 5727.—*Petals* 7. *Capsule* with 1 seed, the other 2 cells having proved abortive. *Seed* roundish, smooth, glabrous, with 4 depressions at the base, $4\frac{1}{2}$ tenths of an inch broad. *Obs.* 7269. In a garden.

THEA Bohea. *Berg.* 469. *Bry.* 130.

T. Bohe. *Murr.* iv. 225.

3. *THEA oleosa.* *Peduncles* triflorous. *From Lour.* i. 414.

569. CISTUS.

Petals 5. *Calyx* pentaphyllous, 2 of the *phylla* smaller. *Capsule* with 1, 5, and 10 cells, and 3, 5, and 10 valves. *Obs.* 3978. *L. a Gmel. L.*

1. *Exstipulate shrubby. L.*

1. **CISTUS viscosus.** Leaves lanceolate; trinervose; smooth above, tomentose underneath. Petioles united at the base, sheathing. *Obs.* 2905. In a garden.

C. ladaniferus. L.—H. K. ii. 591.

* *undulatus.* Leaves undulate. *Hort. kew.—Curt. mag. t. 112.*

C. Ledon I. Clus. hisp. 156, repr. in Ger. by Johns. 1286, Lob. ic. ii. 120, &

C. Ledon I, angustifolius. Clus. hist. i. 77, and cop. in

C. Ledum I. Dalech. 233,

C. Ledon, flore macula nigricante notato. Bauh. J. ii. 8, &

C. Ledon angustifolium. Park. theatr. 663.

Ledi species. Dalech. 231.

CISTUS ladaniferus. *Tilesius, account from in phys. journ. xi. 240.*

2. **CISTUS ladaniferus.** Leaves oblongo-lanceolate, petiolate; ribless; rough. Phylla ovate, acuminate. *From*

C. cretensis. Jacq. ic. i. 10. t. 95; coll. i. 80.

C. creticus. L. sp. 738; mant. 403. Hort. kew. ii. 234. (Woodv. ii. 249. t. 91 is C. hybridus.—Regn. not the plant.)

C. ladaniferus erectus creticus, flore purpureo. Tourn. voy. i. 59.

C. ladanifera cretica. Tourn. cor. 19. Buxb. iii. 34. t. 64. f. 1.

Ladanum creticum. Alp. exot. 89. t. 88. Corolla much smaller than in the other figures.

LADANUM. Labdanum. Resin. *Pharm. lond.*
 —*Alst.* ii. 214. *Berg.* 476. *Carth.* iii. 348. *Chom.*
 634. *Cull.* ii. 195. *Geoffr.* ii. 539. *Herm.* 675.
Hill 735. *Lew. disp. by Dunc.* 196. *Linn.* 164.
Monro ii. 361. *Murr.* iii. 514. *Neum.* ii. 21.
Schrod. 723. *Spielm.* 315. *Vog.* 327. *Und.* i.
 200.

Labdanum. *Lew.* ii. 29. *Mill. Jos.* 252. *Quar.*
febr. 92. 275. 288. 292. *Rutty* 260. *Und.* i. 133.
C. ladanifera. *Dale* 232.
C. creticus. *Pears. R.* ii. 174.

3. *CISTUS monspeliensis*. Leaves sessile, lanceolate,
 trinervose. Flowers racemose. *Obs.* 3438. In
 Mr. Hunter's nursery.—*L. sp.* 737. *Hort. kew.*
 ii. 233.

Ledum. *Dalech.* 230.

Ledon V. *Clus. hist.* i. 79, repr. in

Ledon narbonense, cum *Hypocisto.* *Lob. ic.* ii.
 119, &

C. Lèdon, cum *Hypocistide.* *Ger. by Johns.* 1287.

CISTUS ladanifera, sive *Ledum monspeliense* an-
 gusto folio nigricans. *Bauh. J.* ii. 10.

2. *Exstipulate.* *Stems suffruticose.* *L.*

4. *CISTUS Helianthemum*. Leaves lanceolato-oblong,
 tomentose underneath; margin slightly revolute;
 hairs of the upper side in pairs. *Obs.* 3978.
 Near Plaisley in Nottinghamshire, on limestone.—
L. suec. n. 472; *sp.* 744. *Bot. arr.* 559. *Curt.*
lond. v. 36. *t. Walc. t. Fl. dan. t.* 101. *Smith*
engl. t. 1321.

Helianthemum vulgare. *Dill. ap. Raii syn.* 341.
Park. theatr. 656.

Chamaecistus vulgaris, flore luteo. *Raii syn. ed. ii.* 202.

Chamaecistus L. *Clus. hist. i.* 73: repr. in

Helianthemum. *Lob. ic. ii.* 117, &

Helianthemum album germanicum. *Ger. by Johns.* 1283, the name belonging to another var. and cop. in

Helianthemum vulgare flore luteo. *Bauh. J. ii.* 15.

Tourn. paris. 93. *Vaill. paris.* 96.

Hyssopus campestris. *Trag.* 221, repr. in

Helianthemum. *Cord. fol.* 89. p. 2.

Helianthemum, sive *Flos solis*. *Dalech.* 869.

Panaces Chironium, sive *Flos solis*. *Dalech.* 740.

Calyx, 2 outer phylla nearly thrice as short as the inner, oblong, green, opaque, resembling bracteae; the 3 inner ovate, membranaceous, with 4 prominent green ribs, the left hand margin membranaceous, the right hand margin almost bordered by one of the ribs. *Obs.* 6301.

HELIANTHEMUM vulgare. *Geoffr. iii.* 546.

Panax Chironium. *Dale* 233.

570. CORCHORUS.

Corolla pentapetalous. *Calyx* pentaphyllous, deciduous. *Capsule* with from 2 to 5 valves and 2 to 5 cells. *From L. & Juss.*

CORCHORUS olitorius. Capsules oblong, ventricose. Lowermost serratures of the leaves setaceous. *L. sp.* 746; *mant.* 565. *Hort. kew.* ii. 240. *Corcoros* Plinii. *Lob. obs.* 269, repr. in *ic. i.* 505, and

Corchoros. *Ger. by Johns.* 676, & *cop. in*
 Melochia sive Corchorus. *Park. theatr.* 309; the
 capsule and seeds *cop. from*
 Corcorus. *Cam. hort.* 47. t. 12. The capsule and
 seeds *cop. in*
 C. sive Melochia. *Bauh. J.* ii. 982.
CORCHORUS olitorius. *Bry.* 123.

2. **CORCHORUS** *capsularis*. Capsules roundish de-
 pressed rugose. Lowermost serratures of the leaves
 setaceous. *L. sp.* 746.

GANJA sativa. *Rumph.* v. 212. t. 78. f. 1.

3. **CORCHORUS** *japonicus*. Capsules round, gla-
 brous. Leaves doubly serrate. *Thunb. ap. L. a.*
Murr. 501;—*trav.* iii. 216.

571. ELEPHANTUSIA.

Calyx and *corolla* none. *Stamina* numerous. *Style*
 quinquefid and sexfid. *Drupe*s several, monos-
 permous. *From L. a Willd.*

Male flowers on a distinct plant. *Ib.*

1. **ELEPHANTUSIA** *acaulis*. Stem none. *From*
ELEPHANTUSIA *microcarpa*. *L. a Willd.* iv.
 1157.

2. **ELEPHANTUSIA** *caulescens*. With a stem. *From*
ELEPHANTUSIA *macrocarpa*. *L. a Willd.* iv.
 1156.

T R I G Y N I A.

572. DELPHINIUM.

Calyx pentaphyllous, coloured; uppermost phyllum with a spur. *Petals* 4 and 1. *Siliquae* 3 and 1. *Obs.* 5906. *L.*

1. *Siliqua* 1.

1. DELPHINIUM *diffusam*. Branches patent. *Obs.* 5921. In a garden.

D. Consolidida. L. suec. n. 475; *sp.* 748. *Bot. arr.* 560. *Smith brit.* 577. *Gou. hort.* 258. Near Montpellier.—*Host* 295. *Scop. carn. n.* 651. *Asso n.* 476. *Roth germ. i.* 230. *Abb. n.* 394. Corn fields near Bedford, rare.—*Northumb. guide i.* 51. On the ballast hills of Tyne and Wear.—*Fl. dan. t.* 683.

D. segetum, flore caeruleo. *Dill. ap. Raii syn.* 273 478. Found by James Sherard amongst corn in Swaffham field in Cambridgeshire, and by Dillenius between Blackheath and Eltham in Kent.—*Tourn. paris.* 432. *Vaill. paris.* 46. *Boerh. i.* 302.

D. simpliciflora purpureo-caeruleo, vulgare. *Raii eur.* 115. Amongst corn in Italy, the south of France and Germany.

Consolidida regalis. Cam. epit. 521. *Fuchs.* 28. c, 8, *cop. in*

Consolidida regia. Trag. 569,

Consolida regalis flore minore. *Bauh. J. iii. a. 210,*
and

Anthemis cranthemos, sive Consolida regalis. *Dalech.*
970.

Cuminum sylvestre II. *Matth. 760, cop. in*

Cuminum silvestre alterum. *Dalech. 698.*

Flos regius. *Dod. 252, repr. in*

Consolida regia, sive calcaris Flos recentiorum. *Lob.*
obs. 426; ic. i. 739, &

Consolida regalis sativa. *Ger. by Johns. 1082.*
Tab. ic. 63.

Flos regius sylvestris. *Dod. 252, repr. in*

Consolida segetum regia, strigosior tota. *Lob. obs.*
427; ic. i. 739, &

Consolida regalis sylvestris. *Ger. by Johns. 1083.*

Consolida regalis arvensis. *Tab. ic. 62. Raii hist.*
708:

D. majus, sive vulgare. *Park. par. 276. Raii hist.*
708.

D. flore simplici. *Park. par. t. 279. f. 3.*

Fumaria, quae Split dicitur. *Bauh. J. iii. a. 203.*

(The descr. *Fumaria lutea.*)

Calyx blue. *Corolla* blue, monopetalous. *Obs.*
5907. Specimens gathered in corn fields in Cham-
pagne.

Native of Europe from the south to Sweden, and
of Kent, Suffolk, Cambridgeshire, and Bedfordshire.

DELPHINIUM. *Mill. Jos. 174.*

Consolida regalis. *Berg. 479. Carth. iv. 243. Dale*
179. Krock. n. 831. Linn. 165, Murr. iii. 31.

Spielm. 211. Vog. 145.

Calcatrippa. *Pharm. austriaco-prov. 25.—Schrod.*
552.

Pied d'alouette. *Chom. 422; suppl. 131.*

2. Capsules 3. L.

2. DELPHINIUM *elatum*. Petals 4, 2 with a spur; the other 2 bifid; segments unequal. *Obs.* 5905.

In a garden.—*H. K.* ii. 243. *L. sp.* 749.

D. nectariis diphyllis labellis bifidis apice barbatis, foliis trilobis incisis, caule erecto. Mill. Ph. ic. 167. *t.* 250. *f.* 2.

D. nectariis diphyllis labellis bifidis apice barbatis, foliis incisis, caule erecto. L. ups. 151. *Gmel. sib.* iv. 187. *t.* 75.

Aconitum lycoctonum, flore delphinii. Besl. hort. aest. ord. 1. *fol.* 11.

Aconitum lycoctonum, flore delphinii I silesiae. Clus. hist. ii. 94, *repr. in*

Aconitum lycoctonum hirsutum, flore delphinii. Ger. by Johns. 973, *cop. in*

Aconitum lycoctonum caeruleum, calcari magno. Bauh. J. iii. 657.

Stem rorid. *Leaves* fisso-partite; segments 7 to 3, incise. *Calyx* blue. *Petals*, the spurs of the 2 upper sheathed by the spur of the uppermost phylum of the calyx; laminae trapeziform, brownish black, sometimes purple at the end, and sometimes with yellow hair; 2 lowermost bifid, the lowermost segment smaller; limb with yellow hairs. *Obs.* 5905.

DELPHINIUM elatum. Krock. n. 833.

3. DELPHINIUM *Staphisagria*. Nectaria 4, shorter than the petal. Leaves palmate. *From L. a Murr.* 503; *sp.* 750. *Hort. kew.* ii. 244. *Gou. hort.* 259. Near Montpellier.—*Woodv.* iii. 417. *t.* 154.

D. platani folio, *Staphisagria dictum*. *Boerh.* i. 301.

Staphisagria. *Magn. monsp.* 246. *Raii hist.* 705; *eur.* 240. *Dod.* 362, *repr. in Lob. obs.* 393; *ic.* i. 689, and *Ger. by Johns.* 495, and *cop. in Park. theatr.* 223. *Dalech.* 1629, *cop. in Bauh. J.* iii. 641. *f.* 2. *f.* 1, *cop. from Fuchs.* 745. *c.* 302, *which cop. in Trag.* 902.

STAPHISAGRIA. *Stavesacre*. *Seeds.* *Pharm. lond.*—*Alst.* ii. 376. *Berg.* 480. *Geoffr. suite* iii. 121. *Herm.* 329. *Hill* 543. *Lew.* ii. 388; *disp. by Dunc.* 217. *Linn.* 165. *Monro* iii. 275. *Neum.* ii. 97. *Rutty* 496. *Schoepf* 89. *Schrod.* 687. 776. *Vog.* 181.

Staphis agria. *Chom.* 77. 134; *suppl.* 46. *Dale* 179. *Darw.* ii. 57. *Heb.* 106. 338. *Mill.* *Jos.* 424. *Murr.* iii. 32. *Spiclm.* 488.

Stavesacre. *Und.* ii. 16. 169.

573. ACONITUM.

Calyx pentaphyllous, coloured; upper phyllum vaulted. *Petals*, the 2 upper tubular, pedunculate. *Siliquae* 2 and 5. *Obs.* 4934. *L.*

1. *Capsules* 3. *L.*

1. **ACONITUM** *galeriflorum*. *Leaves* palmate; segments multifid. *Uppermost phyllum* as long again as the lateral phylla. *Obs.* 4932. *In a garden.*

A. Lycoctonum. *L. suec. n.* 476; *sp.* 750. *Krock.* n. 834. *Jacq. austr. t.* 380.

A. foliis palmatis multifidis villosis. *Gmel. sib. iv.* 188. *t.* 81.

A. *Lycoctonum*, flore luteo. *Besl. hort. aest. ord.*
1. fol. 11.

A. II. *Cam. epit.* 827.

A. *Lycoctonon luteum majus*. *Dod.* 436, repr. in

A. *luteum ponticum*. *Lob. ic. i.* 677, *Ger. by*
Johns. 970, &

A. *Lycoctonon vulgare*, luteo flore. *Clus. hist. ii.*
94, & cop. in

A. *luteum ponticum serotinum*. *Park. theatr.* 312,
& abr. in

A. flore albido, sive A. *luteum ponticum*. *Park.*
par. 214. *t.* 219. *f.* 2.

A. folio platani, flore luteo pallescente. *Bauh. J.*
iii. 652.

ACONITUM *ponticum*. *Dale* 180. *L. lapp. n.*
221.

2. *ACONITUM Napellus*. Leaves ternate, shining ;
folioles laciniate ; segments ensiform. Upper phyl-
lum convex, somewhat longer than the lateral
phylla. Spur of the uppermost petals very short ;
limb rounded, erose and semibifid at the end.
Obs. 4934. In a garden.—*Koelle aconit.* 14. *t.*
the best representation of it.—*L. suec.* 477 ; *sp.*
751. *Hort. kew.* ii. 245. *Moraeus ap. act. stockh.*
i. 41. *t.* 2. Branches too diffuse.—*Blackw. t.*
561. *Mill. J. ill. t. Regn. t. Zorn t.* 49. *Woodv.*
i. 16. *t.* 6. *Garid.* 7. *t.* 2.—(*Jacq. fl.* iv. 42. *t.*
381, is A. *neomontanum*.)

A. caule simplici, spica densa, petiolis unifloris,
casidis mucrone brevi. *Hall. hist. n.* 1197.

Napellus minor. *Riv. pent. t.* 129.

A. caeruleum, sive *Napellus*. *Rob. t.* 13. *Knorr*
herb. t. E. Boerh. i. 300.

Napellus verus caeruleus. *Lob. adv.* 301. On the Alps in the country of the Grisons. No fig.—*Lob. ic.* i. 679, repr. in *Ger. by Johns.* 972, &

A. Lycoctonon VI, Napellus verus. *Clus. hist.* ii. 96, who found it on Snealben; cop. in

Napellus caeruleus. *Med. mus.* i. t. 8, at p. 515, repr. in

Napellus verus. *Lob. obs.* 387, cop. in *Park. theatr.* 314, abr. in par. t. 219. f. 3, & repr. in

Napellus. *Dod.* 439. (*Spal.* the smaller fig. is A. Cammarum with which it is probable Storck made at least his first trials on himself.—*Cam. epit.* 836 is more like A. Cammarum.)

A. magnum, purpureo flore, vulgo Napellus. *Bauh. J.* iii. 655. Near Montbeliard in Franche Comte.

Napellus arborescens. *Besl. hort. aest. ord.* 1. fol. 12.

Petals 5 and 8, violet purple; 3 and 5 lowermost subulate, shorter than the filaments; 2 uppermost unguiculate, very long, horizontal; limbs of the two uppermost tubular, ending behind in a short obtuse spur, and anteriorly in a cuneiform recurvate segment; unguis canaliculate, attenuate. *Obs.* 4934. —*Calyx*, upper phyllum an inch long, rather lowly fornicate, the point being considerably nearer to the apex of the fornix than to the base. *Petals*, 2 uppermost unguiculate; limb oblong, glabrous. *Obs.* 4934. Examined when dry.

Native of Stiria, Switzerland, France, Sweden, and Siberia.

ACONITUM. Leaves. *Pharm. lond. & ed. noviss.*—*Berg.* 481. *Gebel*, account from in *phys. journ.* iv. 184. *Herz*, account *ib.* i. 385. *Murr.* iii. 5. *Spielm.* 503.

Napellus. *Bacon, Vincent in ph. tr. abr. by Hutt.* vii. 642, and in *Mihles ess.* ii. 279, which republ. in *med. mus.* iii. 233. *Dale* 180. *Geoffr. suite* i. 115. *Krock. n.* 835. *Ploucq. bibl.* i. 69. 128. 333. 454. *Schoepf.* 89, on the supposition that the American plant is this species.

Napellus caeruleus. *Wilmer quoted in med. journ.* i. 340.

A. Napellus. *Brera, account from in phys. journ.* i. 71. *Murr. J.* i. 128; ii. 20. *Pears. R.* ii. 229.

Aconite. *Mann, case of in phys. journ.* xi. 226.

3. ACONITUM *neomontanum*. Leaves ternate, shining; folioles lacinate; segments ensiform. Pistils 3. Pedicles pubescent. Upper phyllum convex, somewhat longer than the lateral phylla. Spur of the uppermost petals very short; limb retuse. *Obs.* 7924. Specimen from Prof. Jos. F. Jacquin. — *L. a Willd.* ii. 1236, but he characterises the pedicles as glabrous though Jacquin describes them as villose.

A. Cammarum β *L. sp.* 751.

A. Napellus. *Jacq. austr.* iv. 42. t. 381, descr. and fig. cop. in

A. sive Napellus officinarum. *Spal.* 13. t. the larger plate.

Napellus flore minore. *Riv. pent. t.* 130.

A. Lycoctonum tertium. *Clus. pann.* 408, on the top of Neuberg mountain in Stiria; repr. in

A. Lycoctonon quintum, neubergense. *Clus. hist.* ii. 96, &

A. purpureum neubergense. *Ger. by Johns.* 973, & cop. in

A. purpureum aliud. Park. theatr. 314, &

A. Lycoctonum, napello simile, neubergense, foliis latioribus, flore purpureo. *Bauh. J.* iii. 657.

Calyx, uppermost phyllum an inch long. *Petals*, 2 uppermost unguiculate; limb oblong, ciliate. *Obs.* 7924.

ACONITUM neomontanum. Root. *Pharm. edin.*

—*Lew. disp. by Dunc.* 126, who gives as synonyms *A. Cammarum* and *tauricum*, which are distinct species. He adds that it is cultivated in our gardens. It may in botanic gardens, but the plant cultivated in our flower gardens is *A. Napellus*.—*Pears. R.* ii. 229.

Napellus. Pharm. austriaco-prov. 51.—*Neum.* ii. 105. *Schreb. ap. Linn.* 165.

A. Napellus. Pears. R. i. 244.

A. sive Napellus. Storck transl. in Med. mus. i. 515.

Aconitum. Aik. in Lew. i. 28. *Collin obs.* ii. 130.

Fordyce, W. fragm. 75. *Med. journ.* ii. 297; v. 87. *Monro* iii. 7. *Murr.* iii. 5. *Quar. anim.* 277. *Stoll med.* i. 140; ii. 365; iii. 167.

2. Capsules 5. L.

4. *ACONITUM Anthora.* Segments of the leaves linear. *L. sp.* 751. *Hort. kew.* ii. 245. *Seop. carn.* n. 655. *Host.* 297. *Krock. n.* 838. *Jacq. austr. t.* 382.

A. saluterum, seu Anthora. Mill. Ph. ic. 8, t. 12.

Anthora, sive Antiphthora. Besl. hort. aest. ord. 1. fol. 12.

Anthora, sive Antithora. Cam. epit. 837.

Anthora. Park. par. 215. t. 219. f. 4. *Dod.* 440,

repr. in *Lob. obs.* 385, & *ic.* i. 677; cop. in *Park. theatr.* 318, & repr. in

Anthora vulgaris. *Clus.* ii. 98, &

Anthora, sive *A. salutiferum.* *Ger. by Johns.* 696.

Anthithora flore luteo aconiti. *Bauh. J.* iii. 660.

Leaves pedate; segments pinnatifid; lesser segments ensiform. *Corolla* dipetalous, fuscous; upper lip of the petals recurvate, obtuse; lower lip declinate, the lamina obcordate. *Obs.* 8355. In Mr. Knowlton's garden. 20 Sept.

ANTHORA. *Berg.* 484. *Chom.* 311. *Dale* 180.

Geoffr. ii. 9. *Lew.* i. 93. *Linn.* 166. *Mill. Jos.*

42. *Murr.* iii. 29. *Schrod.* 536. *Vog.* 231.

5. *ACONITUM Cammarum.* *Leaves* ternate, dull; folioles laciniate, ensiformi-triangular. Pistils 5. Pedicles glabrous. Upper phyllum convex, twice as long as the lateral phylla. Spur of the uppermost petals recurvate; limb emarginate, shorter than the faux. *Obs.* 6138. 6139. Specimens from Prof. Jos. F. Jacquin.—*Hort. kew.* ii. 246. *Jacq. austr.* v. 11. t. 424. *L. sp.* 751 γ apparently from

A. Lycoctonum sextum. *Clus. pann.* 412, who found it on Judenberg the highest mountain in *Stiria*; repr. in

A. Lycoctonon nonum Judenbergense. *Clus. hist.* ii. 97, &

A. maximum judenbergense. *Ger. by Johns.* 973, & cop. in

A. Lycoctonum, flore maximo. *Bauh. J.* iii. 659.

A. caeruleo-purpureum, flore maximo, sive Napellus IV. *Boerh.* i. 301.

Leaves, segments crowded. *Calyx*, uppermost

phyllum an inch long, the end horizontal, half way between the end of the sacklike process and the base.

Petals, 2 uppermost unguiculate; limb oblong, glabrous. *Obs.* 6138.

ACONITUM Cammarum. *Hall*, account from *in chir. rev.* vi. 364. *Krock.* n. 837. *Pears. R.* ii. 229.

574. PAEONIA.

Calyx pentaphyllous. *Petals* 5 and more. *Germina* 2 to 5. *Style* none. *Capsules* polyspermous. From *Juss. L. a Gm. & L.*

1. *PAEONIA officinalis*. Folioles oval, oblong, elliptic, and lanceolate. *Obs.* 8125. 5735. 5734. In a garden.—*L. sp.* 747. *Hort. kew.* ii. 241. *Gou. monsp.* 266. *Lour.* i. 419. *Scop. carn.* n. 650. *Host* 294. In Carniola and Littorali.

Paeonia. L. ups. 149.

- *elliptica*. Leaves glabrous; folioles entire, oval ovali-elliptic and elliptic. *Obs.* 5735. Specimen gathered in the garden of Fothergill.—*L. sp. β*; *ups.* 149 α

P. corallina. Retz. obs. iii. n. 65.

P. mas. Cam. epit. 657, but the folioles lanceolate, —*Boerh.* i. 294. *Tab. ic.* 784. *Dod.* 194, repr. in *Lob. ic.* i. 684, *Ger. by Johns.* 980, and cop. in *Park. theatr.* 1381, & *Bauh. J.* iii. 492. *Park. par. t.* 343. *f.* 1.

P. mas cum semine. Lob. ic. i. 685, repr. in *Ger. by Johns.* 980.

P. folio nigricante splendido, quae mas. Magn. hort. 151.

P. mas Matthioli. Dalech. 856.

P. mas Dalechampii. Dalech. 856.

Stem 20 inches long, erect, flexuose. Leaves bi-ternate, glabrous; the lateral petioles sometimes with 5 folioles; folioles oval, acute, the terminal foliole sometimes bipartite. Petioles nearly terete, slightly canaliculate along the upper side. Flowers terminal, solitary. Pistils 3. Germina after flowering, brownish white, tomentose, patulous. Obs. 8125. In the garden of Miss Wood who informed me that the root was tuberous.

PAEONIA mas. Dale 175. Geoffr. suite i. 299.

Mill. Jos. 325. Schrod. 651.

Paeonia. Pharm. austriaco-prov. 54. suec.—Alst. i. 485. Berg. 477. Biss. ess. 169. Carth. iv. 81. 236. Herm. 176. 435. Home, F. clin. 196. Krock. n. 830. Lew. ii. 175; disp. by Dunc. 345; by Rother. 212. Murr. iii. 37. Ploucq. bibl. i. 426. Spielm. 514. Vog. 204.

P. folio nigricante splendido, quae mas. Chom. 359.

Peony. Neum. ii. 137.

β *lancifolia. Leaves glabrous; folioles lanceolate. Obs. 8112. Specimen gathered in the Paris garden.—L. sp. α; ups. β*

P. officinalis. L. a Willd. ii. 1221. Woodv. iv. 91. t. 247. Retz obs. iii. 35. n. 67.

P. foeminea. Mill. Ph. dict. n. 2.

P. communis vel foemina. Magn. hort. 151; monsp. 197. In woody tracts near Montpellier.—Boerh. i. 294.

P. foemina prior. Dalech. 856.

P. foemina vulgator. Bauh. J. iii. 492, cop. from

Paeonia. *Fuchs*. 203. c. 75, which imit. in *Trag.* 581, which repr. in

P. foemina. *Cord. fol.* 135, p. 2. *Cam. epit.* 658. *Lob. ic.* i. 682, repr. in *Ger. by Johns.* 981, &

P. femina altera. *Dod.* 195, & cop. in *Dalech.* 857.

PAEONIA foemina. *Alst.* i. 486. *Dale* 176. *Geoffr. suite* i. 302. *Mill. Jos.* 326. *Monro* iii. 192. *Schrod.* 651.

Paeonia. *Berg.* 477. *Herm.* 608. *Linn.* 164. *Murr.* iii. 37. *Spielm.* 514. *Vog.* 154. 170.

P. communis, sive *foemina*. *Boecl. ap. Herm.* 177. *Chom.* 359.

γ *hirsutula*. Leaves slightly hirsute underneath. Folioles oblongo-elliptic, mostly cloven. *Obs.* 6296. In Mr. Watson's garden.

P. foeminea with double flowers. *Mill. Ph. dict. n.* 2.

P. foemina altera. *Boerh.* i. 294.

P. femina prior. *Dod.* 194, repr. in

P. promiscua seu neutra. *Lob. ic.* i. 683,

P. promiscua. *Ger. by Johns.* 982, & cop. in

P. faemina vulgaris, flore simplici. *Park. theatr.* 1380.

P. promiscua Vormarii, folio latiore. *Bauh. J.* iii. 493.

Stem 2 feet 4 inches long, erect, with scattered minute hairs, obsoletely angular. *Leaves* alternate, dull, glaucous underneath; folioles tripartite, bipartite, and entire, undulate. *Petals* the outer cuneiform, 2 inches long, the inner linear. *Germina* 2, and 3, tomentose. *Obs.* 6296.

PAEONIA. *Berg.* 477.

δ *kermesina*. Leaves glabrous, somewhat shining above; folioles oblongo-lanceolate, entire, semitrifid, and semibifid. *Obs.* 5733. In a garden.

Paeonia γ *L. ups.* 149.

P. foemina, flore pleno rubro majore. *Boerh. i.* 295.
Magn. hort. 152.

P. foemina multiplex. *Tab. ic.* 784.

Paeoniae feminae multiplex flos. *Dod.* 195, repr.
in

P. femina polyanthos. *Lob. ic. i.* 684, cop. *in Dd-lech.* 558, repr. *in*

P. femina multiplex. *Ger. by Johns.* 981, and cop.
in

P. faemina, flore pleno purpureo. *Park. theatr.*
1380.

P. faemina vulgaris flore pleno rubro. *Park. par.*
341. t. 343. f. 3.

P. flore pleno rubro. *Bauh. J. iii.* 493. No fig.

Stem solid, flexuose, tough. Leaves alternate, bi-ternate. Pistils 2, silky, shining, whitish. Stigmata crimson. Probably a distinct species. Obs. 5733.

PAEONIA officinalis. *Alst. i.* 486.

Paeonia. *Dale* 176.

Peony. *Neum. ii.* 137.

* *edulis.* Leaves shining on both sides. *From Amman. &*

P. albiflora. *Andr. rep. i. t.* 64.

PAEONIA edulis. *Sal. R. par. ii. t.* 78.

P. lacteo flore, foliis utrinque viridantibus et splendentibus. *Amm.* 77.

‡ *alba.* Corolla white, double. *Obs.* 6675. In Mr. S. Shore's garden.

P. foemina polyanthos flore albo. *Ger. by Johns.* 982.

P. albo flore pleno, sive polyanthos alba foemina.
Bauh. J. iii. 494.

P. foemina polyanthos flore albo. Tab. ic. 785.

PAEONIA flore albicante. *Dale* 176.

TETRAGYNIA.

575. CIMICIFUGA.

Calyx pentaphyllous. *Corolla* none. *Nectaria* 4, urceolate. *Capsules* 4 to 7. *Seeds* squamose. *From L. a Murr. & L.*

1. *CIMICIFUGA foetida. L. a Murr. 505; nat. 659. Hort. kew. ii. 247.*

Actaea cimicifuga. L. sp. 722.

CIMICIFUGA. Linn. 166.

576. AQUILEGIA.

Calyx pentaphyllous, coloured. *Petals* 5, ending below in a nectariferous spur. *Nectaria* 10, membranaceous, between the stamina and the pistils. *Capsules* 5, distinct. *Obs. 4867. L.*

1. *AQUILEGIA vulgaris. Stamina* as long as the petals. Folioles of the leaves at the base of the upper branches entire. *Obs. 3442. Specimen* gathered on Soustons-roch near Shelsley in Worcestershire, but near a cottage.—*Obs. 4867. On* a common near Skegby in Nottinghamshire, and in Langwith woods in Derbyshire.—*L. suec. n. 478; sp. 752. Hort. kew. ii. 247. Asso n. 478.*

Bot. arr. 562. *Huds.* 235. *Smith brit.* 573; *engl. t.* 297. *Gou. hort.* 260. Near Montpellier.—*Fl. dan. t.* 695. *Mill. J. ill. t.*

A. sylvestris. *Tourn. paris.* 393.

A. officinarum sylvestris, flore caeruleo. *Vaill. paris.* 15.

Aquilegia. *Fuchs.* 102. *ed. fol. cop. in Trag.* 137.

A. vulgaris simplex. *Park. theatr.* 1367, &

A. flore simplici. *Bauh. J. iii. b.* 484. *f. 1. Raii hist.* 708; *syn.* 273.

Aquileia. *Dod.* 181, *repr. in*

Aquilina. *Lob. obs.* 440; *ic. i.* 761, &

A. caerulea. *Ger. by Johns.* 1093.

A. simplex. *Park. par. t.* 273. *f. 1.*

Native of Europe from Spain to Sweden.

AQUILEGIA. *Alst. ii.* 327. *Berg.* 485. *Dale* 180. *Geoffr. iii.* 109. *Herm.* 418. *Krock. n.* 839. *Lew. i.* 132. *Linn.* 167. *Mill. Jos.* 45. *Murr. iii. 1.* *Rutty* 34. *Schrod.* 537. *Spielm.* 452. *Vog.* 153. 166.

A. sylvestris. *Chom.* 237; *suppl.* 80.

577. NIGELLA.

Calyx pentaphyllous, coloured. *Petals* 5, bilabiate, unguiculate. *Pistils* 5, 10, and 1 with 5 styles. *Capsules* from 5 to 10 distinct and with several cells. *Obs.* 5904. *L.*

1. Styles 3 to 5.

1. **NIGELLA sativa.** Capsules muricate, roundish. Leaves pubescent. Phylla elliptic. *Obs.* 7557.

In Mr. S. Shore's garden from seeds gathered in Russia.—*L. sp.* 753. *Roth germ.* i. 232, in corn fields in Saxony; ii. 594. *Hort. kew.* ii. 249. *Krock. n.* 843.

N. flore minore simplici candido. *Boerh.* i. 283.

Melanthium hortense primum. *Fuchs.* 488. c. 193, *cop. in*

Melanthium calyce et flore minore, semine nigro et luteo. *Bauh. J.* iii. a. 208.

Melanthium sativum. *Cam. epit.* 551.

Melanthium. *Dod.* 301, repr. in *Ger. by Johns.* 1084,

Melanthium, sive N. romana odora. *Lob. obs.* 427; & *ic.* i. 740.

N. romana sativa. *Park. theatr.* 1375, middlemost fig.

(*N. pistillis denis corolla longioribus.* *Mill. Ph. ic.* 125. t. 187. f. 1, is *N. orientalis*.)

Stem 2 feet long, erect, pubescent, branched at the end. *Calyx* greenish white; *phylla* elliptic, acute. *Petals* 8, several times shorter than the calyx, tubular at the base; limb erect, bilabiate; upper lip subulate, lower lip bipartite, one third longer than the upper lip; segments lineari-lanceolate, obtuse, yellowish white with a transverse blue line about the middle. *Pistil* as long as the corolla, green. *Ger-men* turbinato-oval, quinquedentate, with whitish pellucid granules. *Styles* 5, erect, green. *Obs.* 7557. Sept. 18.

NIGELLA. *Pharm. austriaco-prov.* 52.—*Alst.* ii. 364. *Berg.* 486. *Carth.* iii. 450. *Dale* 237. *Herm.* 302. *Lew. disp. by Dunc.* 344. *Linn.* 167. *Mill. Jos.* 314. *Murr.* iii. 35. *Neum.* ii. 194. *Rutty* 348. *Schrod.* 636. *Spielm.* 284. *Vog.* 164.

N. arvensis cornuta. *Chom.* 239; *suppl.* 81.
Melanthion sativum. *Geoffr. suite i.* 188.

2. *NIGELLA unguiculata.* *Phylla unguiculate. Obs.* 7558. Specimen from Prof. Jos. F. Jacquin.

N. arvensis. *L. sp.* 753. *Roth germ.* ii. 594. *Hort. kew.* ii. 249. *Krock. n.* 842. *Raii eur.* 188. In Germany, Italy, and the south of France, in corn fields.

Melanthium sylvestre alterum. *Cam. epit.* 553.

Melanthium sylvestre. *Fuchs.* 489. *c.* 193. *Dod.* 301, *repr. in ed.* ii. 303; & *Ger. by Johns.* 1084, a flowering branch *cop. in*

N. sylvestris floribus nudis. *Park. theatr.* 1375, inner fig. and the whole *cop. in*

N. arvensis, cornuta. *Hist. ox. s.* 12. *t.* 18. row 1. *f.* 1. *Tourn. paris.* 348. *Vaill. paris.* 144. *Magn. monsp.* 187. *Garid.* 328. *t.* 73, at p. 332.

Melanthium sylvestre, sive arvense. *Bauh. J.* iii. a. 209. (The fig. *Hypericum perforatum.*)

MELANTHIUM. *Dale* 237.

Melanthion sylvestre. *Geoffr. suite i.* 186.

578. REAUMURIA.

Calyx pentaphyllous. *Petals* 5. *Capsule* quinquelocular, quinquevalve, polyspermous. *L.*

1. *REAUMURIA vermiculata.* Leaves subulate, semiterete. *L. a Willd.* ii. 1249; *sp.* 754.

Sedum minimum arborescens vermiculatum. *Lob. obs.* 206, *repr. in ic i.* 380, &

Vermicularis frutex minor. *Ger. by Johns.* 523, and some of the lower branches *cop. in*

Vermiculis fruticosa altera. *Park. theatr.* 731, inner fig.

Sedum siculum maritimum vermiculatum, flore saxifragiae albae, semine villosa. *Raii eur.* 234. *Bocc. sic.* 6. t. 4. *C, d, e, f, cop. in*

Sedum maritimum, flore albo, villosa semine. *Hist. ox. s.* 12. t. 9. f. 6.

Kali vermiculatum, albo et amplo sedi rosei flore. *Barrel. t.* 888.

Kali arabum primum genus. *Dalech. app.* 19, *cop. in*

Kali arabum. *Bauh. J.* iii. 702. *Raii hist.* 212.

SODA. *Murr.* iv. 287.

Souda. *Berg.* 182.

P O L Y G Y N I A.

579. DRIMYS.

Calyx trilobate. Petals 6 and 12. Germina clavate. Style none. Berry obovate. *L. fl. suppl.* 43. *Forst. J. & G.* 83. t. 42.

Wintera. *L. a Murr.* 507, where at l. 4 for *clavata* read *obovata*.

1. DRIMYS *Winteri*. Pistils 3. Peduncles with mostly 3 flowers. *From Willd. & Forst. J. & G.* 84. t. 42. f. m—z; and in *nov. act. ups.* iii. 181. *L. fl. suppl.* 269.

Winterana aromatica. *Sol. in med. obs.* v. 41. t. 1, *cop. in*

Wintera aromatica. *Woodv.* iv. 122. t. 257. *Murr.* ap. *L. a Murr.* 507. *L. a Willd.* ii. 1239.

Periclymenum rectum foliis laurinis, cortice acri aromatico. *Sloane in ph. tr. n.* cciv. 922. t. 1; *cop. in abr. by Lowth.* ii. 666. t. 9. f. 168. 169, at p. 776; *by Hutt.* iii. 587.

Winteranus cortex. *Clus. exot.* 75, *ill cop. in Park. theatr.* 1652, &

Cortex winteranus acris, sive Canella alba. *Barrh. J.* i. a. 460.

Laurifolia magellanica cortice acri. *Raii hist.* 1801.

CORTEX WINTERANUS. *Alst.* ii. 32. *Dale* 296. *Herm.* 198. *Hill* 668. *Mill. Jos.* 155. *Lew.* ii. 480. *Linn.* 168. *Murr.* iv. 557. *Spielm.* 303. *Vog.* 297.

Cortex winteranus verus. *Carth.* iii. 260. *Geoffr.* ii. 177.

Cortex Winterani. *Berg.* 381.

Wintera aromatica. *Winter's bark.* *Bark Pharm. edin.—Lew. disp. by Dunc.* 324.

Winterana Canella. *Monro* iii. 289; iv. 294.

Winterana aromatica. *Pears. R.* ii. 201.

580 DILLENIA.

Calyx pentaphyllous. *Petals* 5. *Capsules* polyspermous, connate, full of pulp. *L.*

1. *DILLENIA speciosa.* Leaves oblong, rotundato-acute, denticulate. Peduncles uniflorous. *Thunb. in lin. tr.* i. 200. In Java.—*Smith exot.* i. t. 23.

D. indica. *L. sp.* 754.

Syalita Rheede iii. 39. *t.* 38. 39.

D. elliptica. *Thunb. in lin. tr.* i. 200, from

SONGIUM. *Rumph.* ii. 140. *t.* 45. Leaves in the fig. elliptico-lanceolate, but described as very broad at the end.

Arbor indica, flore maximo, cui multae innascuntur siliquae. Raii hist. 1707.

2. *DILLENIA serrata*. Leaves elliptic, acute, serrate. Peduncles triflorous. *Thunb. in lin. tr.* i. 201, from

SANGIUS. *Rumph.* ii. 142. *t.* 46.

581. *ILLICIUM*.

Calyx hexaphyllous and tetraphyllous. *Petals* 8 to 27, in three rows. *Capsules* several, bivalve, monospermous, disposed in a circle. *Obs.* 7035, & *Kaempf. Juss.* 280. *L.*

1. *ILLICIUM anisatum*. Flowers yellowish. *Murr. ap. L. a Murr.* 507; *sp.* 664; *mant.* 395. *Lour.* i. 432. *Curt. mag.* 439, under *I. floridanum*, who says it is cultivated in Britain,

Chinese *Illicium*. *Ellis in ph. tr. abr. by Hutt.* xiii. 88. *t.* 2. *L. l. M.*, fruit & seeds cop. from

Somo, vulgo Skimmi. *Kaempf.* 880. *t.* 881.

Anisum indicum stellatum. *Ger. by Johns.* 1035, cop. in

Anisum exoticum phillippinarum insularum. *Park. theatr.* 1569, &

Zingi fructus stellatus, sive Anisum indicum.

Bauh. J. i. a. 485, with additional figures of the fruit.

ANISUM stellatum. *Pharm. austriaco-prov.* 18.
sæc.—*Berg.* 487. *Carth.* iii. 445. *Lew.* i. 91;
disp. by Dunc. 342. *Linn.* 168. *Murr.* iii. 562.
Neum. ii. 175. *Spielm.* 240. *Vog.* 274.

Anisum chinense. *Herm.* 273.

Anisum indicum. *Dale* 177. *Geoffr.* ii. 469.

Zingi. *Alst.* ii. 320.

2. *ILLICIUM floridanum.* Flowers red. *Murr. ap.*
L. a Murr. 507, from *L. mant.* 395. *Curt. mag.*
t. 439. *Hort. kew.* ii. 250. *Ellis in ph. tr. abr.*
by Hutt. xiii. 87. *t.* 2. *A to LL.*

Leaves lanceolato-elliptic, slightly acuminate, slightly veined. *Peduncles* near the ends of the branches, among and shorter than the leaves, sometimes 2 together. *Petals* numerous, linear and ensiform, brownish red. *Pistils* 13 and 14, in a circle. *Obs.* 7035. From Mr. Philips's garden.

ANISUM stellatum floridanum. *Schoepf* 91.

582. LIRIODENDRUM.

Calyx triphyllous. *Petals* 6. *Capsules* monospermous and dispermous, imbricate. From *Juss. L.*

1. *LIRIODENDRUM truncatifolium.*—Leaves lobate;
L.

Liriodendron Tulipifera. *L. sp.* 755. *Hort. kew.*
ii. 250. *Curt. mag. t.* 275.

L. foliis angulatis truncatis. *Trew. sel. 2. t.* 10.

Tulipifera arbor virginiana. *Herm. hort.* 612. *t.*
 613.

Tulipifera virginiana, tripartito aceris folio, media lacinia velut abscissa. *Pluk. alm.* 379; *phyt. t.* 117. f. 5; *t.* 248. f. 7. *Cat. i. t.* 48.

Tulipifera caroliniana, foliis productioribus magis angulosis. *Pluk. alm.* 379; *phyt. t.* 68. f. 3.

Arbor tulipifera virginiana tripartito aceris folio, media lacinia velut abscissa. *Raii hist.* 1798.

LIRIODENDRON. Schoepf. 90.

Liriodendron Tulipifera. *Coxe* 373. *Marsh.* 78.

Murr. i. 552. *Rush in tr. ph. coll. i.* 183, and account from in *med. comment. dec. II. ix.* 158.

Populus sive Tulippa arbor. *Clayt. in ph. tr. abr. by Hutt.* viii. 332.

583. MAGNOLIA.

Calyx triphyllous. *Petals* 6 and 9. *Capsules* unilocular, bivalve, monospermous. *Obs.* 5467. *Juss.* 281. *L.*

1. *MAGNOLIA grandiflora.* Leaves perennial, oblong. Petals obovate. *H. K. ii.* 251. *L. sp.* 755.

M. foliis lanceolatis persistentibus, caule erecto arboreo. *Mill. Ph. ic.* 115. *t.* 172.

M. altissima, flore ingenti candido. *Cat. ii. t.* 61. *Trew sel. t.* 33. 35.

MAGNOLIA altissima. *Chalm. i.* 65.

2. *MAGNOLIA glauca.* Leaves glaucous underneath. *Obs.* 5467. In Crome garden.—*L. sp.* 755. *H. K. ii.* 251.

M. lauri folio subtus albicante. *Cat. i. t.* 39. *Trew sel. t.* 9. *Dill. hort.* 207. *t.* 168. *f.* 205.

Laurus tulipifera, foliis subtus ex cinereo aut argenteo purpurantibus. *Raii hist.* 1798.

Laurus tulipifera, baccis calyculatis. *Raii hist.* 1690.
In Compton's garden.

Leaves ovali-elliptic, sericeous underneath. *Obs.* 5467.

MAGNOLIA glauca. *Bart.* 46. *Schoepf* 91.
Marsh. 83.

3. *MAGNOLIA acuminata*. *Leaves* ovato-oblong, acuminate. *L. sp.* 756. *H. K.* ii. 251.

M. flore albo, folio majore acuminato haud albicante.
Cat. app. t. 15.

MAGNOLIA acuminata. *Humphreys in med.*
comment. dec. II. viii. 445. *Schoepf* 91.

584. NELUMBIUM.

Calyx tetraphyllous and pentaphyllous. *Corolla* polypetalous and pentapetalous. *Nuts* monospermous, crowned by the style, immersed in a truncate receptacle. *L. a Willd. Juss.*

1. *NELUMBIUM speciosum*. *Corolla* polypetalous.

Leaves peltate, orbicular, entire at the margin.

From L. a Willd. ii. 1258.

Nelumbo nucifera. *Gaertn.* i. 73. t. 19.

Nymphaea Nelumbo. *L. sp.* 730. *Hort. kew.* ii. 227. *Lour.* i. 416. *Thunb. jap.* 223.

α muricatum. *Peduncles* and *petioles* muricate. *From L. a Willd.* ii. 1258. *α*

Nymphaea indica major. *Rumph.* vi. 164. t. 73.

Cyamus Nelumbo. *Smith exot.* i. 59. t. 31. 32.

N. speciosum. *Bot. mag. t.* 903. *A. B.*

Nymphaea indica, *Faba aegyptia* dicta, flore incarnato. *Herm. par. 205. t.* 205.

Nymphaea fabifera, *indiae paludibus gaudens*, foliis umbilicatis amplis, pediculis spinosis, flore roseo purpureo. *Pluk. alm. 267. t.* 322.

Nymphaeae species. *Bont.* 128.

Tamara. *Rheede xi. 59. t.* 30. Corolla pink.

Bem-tamara. *Rheede xi. 61. t.* 31. Corolla white.

Fabae aegyptiae affinis. *Ger. by Johns. 1552, cop.*
in

Fabae aegyptiae fructus. *Park. theatr. 374, &*

Fructus valde elegans, *Faba forte aegyptia Dioscoridis.* *Bauh. J. iii. 775.*

Faba aegyptia. *Rati hist. 1322. Stap. 446.*

Umbilicus aquaticus maximus chinensis. *Hyde ap. hist. ox. iii. 620. s. 15. t. 4*, from a Chinese book.
Leaves.

NYMPHAEA Nelumbo. *Bry. 337. Pall. account from in phys. journ. iii. 273.*

Faba aegyptia. *Dale 239.*

β *glabrum.* Peduncles and petioles glabrous. *From L. a Willd. β*

NYMPHAEA Nelumbo. See α.

γ *quadrifidum.* Calyx quadrifid. *From L. a Willd. γ.*

Nymphaea Nelumbo. *Walt. 155.*

Nymphaea foliis orbiculatis peltatis subtus radiatis, fructu obverse conico, seminibus majoribus nidulantibus. *Browne 243.*

NELUMBO. *Schoepf 88,*

585. MICHELIA.

Calyx triphyllous. *Petals* 15. *Berries* many, polyspermous. *From* L. & Rumph.

1. MICHELIA *Champaca*.—Leaves glabrous. *From* Rumph. and L. *sp.* 756. *Osbeck*, i. 141. *Cook* in *Hawk.* iv. 353. *Lour.* i. 425.

Sampacca. *Rumph.* ii. 199. *t.* 67.

Flos indicus, *Champacca dictus*. *Bont.* 140.

CHAMPACAM. *Rheede* i. 31. *t.* 19. *Raii hist.* 1641.

2. MICHELIA *Tsiampaca*.—Leaves when young sericeous underneath. *From* Rumph. & L. *mant.* 78.

M. euonymoides. *Burm. N. ind.* 124.

SAMPACCA *silvestris*. *Rumph.* ii. 202. *t.* 68.

Tjampaka. *Thunb. trav.* ii. 273.

586. UVARIA.

Calyx triphyllous. *Petals* 6. *Stamina* inserted into a fleshy receptacle. *Berries* several, pedunculate. *Seeds* 1 to 6. *From* Roxb. *Juss.* 283, and L.

1. *Petals equal.*

1. UVARIA *zeylanica*. Leaves entire at the margin. Peduncles uniflorous, solitary. *Berries* oblong, polyspermous. *From* Rumph. L. *sp.* 756; a *Willd.* ii. 1261. *Lour.* i. 426.

Funis musarius. *Rumph.* v. 78. *t.* 42.

NARUM-PANEL. *Rheede* ii. 11. t. 10. (mis-
enr. 9.)

Frutex baccifer, fructu ad singulos flores multiplici.
Raii hist. 1636.

2. *UVARIA cerasoides.* Leaves entire at the margin.
Berries monospermous. Antherae sessile, with 4
and 5 sides, truncate. *From Roxb.* i. 30. t. 33.

3. *UVARIA odorata.* Leaves ovato-lanceolate. Pe-
duncles uniflorous; solitary. Petals cuculi-lanceo-
late, very long. *L. a Willd.* ii. 1262, probably
from

CANANGA. *Rumph.* ii. 195. t. 65. *Cook in Hawk.*
iv. 353.

4. *UVARIA ligularis.* Leaves ovate, acute. Pedun-
cles multiflorous, solitary. Petals linear, acute,
very long. *L. a Willd.* ii. 1263, probably from
CANANGA silvestris secunda sive angustifolia.
Rumph. ii. 198. t. 66. f. 2. Peduncles quinque-
florous and uniflorous.

587. MELODORUM.

Calyx triphyllous. *Petals* 6, triangular. *Berries*
many. *Seeds* dispersed. *From Lour.*

1. *MELODORUM fruticosum.* Leaves lanceolate,
glabrous. Stem fruticose. *Lour.* i. 430.

588. ANONA.

Calyx triangular tripartite and triphyllous. *Petals*

6 and 3. Berry polyspermous. From Swartz
L. & Juss. Rumph.

Annona. L.

1. ANONA *tripetala*. Leaves ovali-elliptic, villose underneath, pubescent above. Petals 3, lanceolate, coriaceous, tomentose. Obs. 8052. Specimen from Lonsborough garden, without fructifications. —Hort. kew. ii. 252.

Annona Cherimola. Mill. dict. n. 5.

A. foliis ovatis acutis, flore albido ungue purpureo, fructu coniformi tuberoso nigricante. Trew. sel. 16. t. 49. f. a, b, c, e, g, h, i, f, d, k.—cop. from

Guanabanus perseae folio, flore intus albo exterius virescente, fructu nigricante squamato, vulgo Cherimolia. Feuill. iii. 24. t. 17.

Annona. Brought. hort. 485.

CHIRIMOYA. Edw. Bryan west ind. i. 200.

2. ANONA *squamosa*. Outer petals lanceolate, inner minute. Leaves elliptic and oblong, nearly glabrous. Fruit covered with obtuse tubercles. Obs. 5598. Specimen of a branch in flower and of a berry, gathered by Broughton in Jamaica.—Hort. kew. ii. 253. L. sp. 757; mant. 405. Swartz. obs. 221. Jacq. obs. i. 13. t. 6. f. 1; amer. ed. 8vo, 216. Lour. i. 427.

Annona foliis oblongo-ovatis undulatis venosis, floribus tripetalis, fructibus mamillatis. Browne 256.

A. tuberosa. Rumph. i. 138. t. 46, has acute scales.

A. foliis odoratis minoribus, fructu conoide squamoso parvo dulci. Sloane cat. 205; hist. ii. 168. t. 227. In fruit.

Atamaram. *Rheede* iii. 21. t. 29.

A. indica, fructu ex viridi luteo cortice squamato aspero, nucleis nigricantibus parvis. *Pluk. alm.* 31; *phyl. t.* 134. f. 3. Branch and 2 separate seeds.

Pomifera indica, fructu conoide squamoso viridi. *Raii hist.* 1650.

Leaves slightly pubescent. *Obs.* 5598.

ANNONA squamosa. *Bry.* 178. *Wright in med. journ.* viii. 224.

3. *ANONA reticulata.* Outer petals lanceolate; inner minute. Leaves oblongo-lanceolate, acute, glabrous. Fruit ovate, reticulato areolate. *From H. K.* ii. 253. *L. sp.* 757, *Swartz. obs.* 222. *Jacq. obs.* i. 14. t. 6. f. 2; a berry; *amer. ed.* 8vo, 218.

Annona foliis oblongis undulatis venosis, fructibus areolatis. *Brown* 256.

A. maxima, foliis oblongis angustis, fructu maximo luteo conoide cortice glabro in areolas distincto. *Sloane cat.* 204; *hist* ii. 167. t. 226, has fruit with the appearance of distinct scales.—*Cat.* ii. t. 86.

Anona. *Rumph.* i. 136. t. 45.

ANNONA reticulata. *Bry.* 177. *Wright in med. journ.* viii. 224.

Custard Apple. *Perciv. Rob. ceyl.* 315.

4. *ANONA mucosa.* Leaves oblong. Areolae of the fruit elevated. Outer petals connate at the base. *Jacq. amer.* 8vo, 219.

5. *ANONA palustris.* Three inner petals as short

again. Leaves ovate, glabrous. Fruit areolate.
From Swartz obs. 223 & L.

Annona uliginosa, foliis nitidis-ovatis, fructibus areolatis odoratis. *Browne* 256.

A. aquatica, foliis laurinis atrovirentibus, fructu minore conoide luteo cortice glabro in areolas distincto. *Sloane cat.* 205; *hist.* ii. 169. t. 228. f. 1. Two seeds.

A. americana, juxta fluviorum ripas innascens, pyriformi fructu. *Pluk. alm.* 32; *phyt. t.* 240. f. 6.

Two seeds and a branch without fructifications.

ANNONA palustris. *Wright in med. journ.* viii. 224.

6. *ANONA muricata*. Three inner petals as short again. Leaves ovali-lanceolate, glabrous, acute. Fruit muricate. From *H. K.* ii. 252, and Swartz: obs. 220. *L. sp.* 756; *mant.* 405. *Jacq. obs.* i. 10. t. 5; *amer.* 8vo, 214.

Annona foliis oblongo-ovatis nitidis. *Browne* 255.

A. maxima, foliis latis splendentibus, fructu maximo viridi conoide tuberculis seu spinulis innocentibus aspero. *Sloane cat.* 203; *hist.* ii. 166. t. 225.

Guanabanus fructu molliter aculeato. *Plum. gen.* 43; *ic. t.* 143. f. 1.

Anona. *Comm. hort.* i. 133. t. 69. No fructifications.

A. indica, fructu conoide viridi squamis veluti aculeato. *Pluk. alm.* 32; *phyt. t.* 135. f. 2. Branch and 2 separate seeds.

A. indica latifolia, fructu squamoso aspero. *Pluk. alm.* 31; *phyt. t.* 134. f. 2. No fructifications.

Aratichu Ponhe. *Marcgr.* 93.

Anona. *Commel. J. hort.* i. 133. t. 69.

Guanabanus fructu e viridi lutescente molliter aculeato. *Plum. ic. t. 143. f. 1.*

ANNONA muricata. *Bry. 177. Wright in med. journ. viii. 224.*

7. *ANONA glabra.* Leaves lanceolato-ovate. Fruit somewhat conical, glabrous. *L. sp. 758.*

A. maxima, foliis latis, fructu maximo luteo conoide cortice glabro. *Cat. ii. t. 64.*

ANNONA glabra. *Schoepf 92.*

8. *ANONA triloba.* Petals several, ovate. Leaves elliptic, acute, glabrous, Flowers pendulous, campanulate. Calyces ovate. Berries from 2 to 4. *From Hort. Kew. ii. 254, Catesby and Michaux. L. sp. 758. Mill. Ph. dict. n. 8.*

Orchidocarpum arietinum. *Michaux i. 329.*

A. foliis lanceolatis, fructibus trifidis. *Mill. Ph ic. 23. t. 35.*

A. fructu lutescente laevi scrotum arietis referente. *Cat. ii. t. 85.*

A. aquatica, foliis laurinis atro-virentibus, fructu minore conoide luteo cortice glabro in areolas distincto. *Sloane cat. 205; hist. ii. 169. t. 228. f. 1.*

A. americana juxta fluviorum ripas innascens, pyriformi fructu. *Pluk. alm. 32; phyt. t. 240. f. 6.*

ANNONA triloba. *Bart. 30. Cox 367.*

9. *ANONA asiatica.* Leaves lanceolate, glabrous, shining, lineate. *L. sp. 758. Vahl, symb. iii. 73.*

A. glabra. *Forsk. 102. t. 15.*

ANNONA asiatica, Lour. i. 428.

589. ANEMONE.

Calyx none. *Petals* 5 to 15. *Capsules* many, monospermous. *Obs.* 5170. *L.*

1. *Involucrum* resembling a *calyx*.

1. ANEMONE *triloba*. Leaves trilobate; lobes rounded. *Obs.* 7952. Specimen gathered by Dr. Cutler in New England.

A. Hepatica. *Michaux* i. 319. *var.*

A. foliis trilobis integerrimis. *Cutl.* 458. *Gron. virg.* 84.

Involucrum, bracteae oval, as long as the petals. *Obs.* 7952.

ANEMONE *Hepatica*. *Schoepf* 92.

American plant. *Reneaume* in *ac. sc. abr.* by *Southw.* iii. 286?

2. ANEMONE *Hepatica*. Leaves trilobate; lobes acute. *Obs.* 3444. In a garden.—*L. suec. n.* 480; *sp.* 758. *Fl. dan. t.* 610. In woods. *Hort. kew.* ii. 254. *Poll. n.* 515. *Roth germ. i.* 235. *Scop. carn. n.* 658. *Host* 299. *Krock. n.* 845. *Gou. hort.* 261. Near Montpelier.

Involucrum, bracteae 3 and 4, shorter than the petals. *Obs.* 5552.

HEPATICA *nobilis*, *Pharm. austriaco-prov.* 41.

—*Berg.* 488, *Chom.* 501. *Geoffr.* iii. 554. *Lew.* i. 493. *Linn.* 168. *Mill. Jos.* 227. *Murr.* iii. 102. *Spielm.* 381. *Vog.* 130.

Hepatica nobilis. *Schrod.* 585.

Trifolium aureum. *Dale* 158.

α *caerulea*. Corolla blue, single. *Obs.* 3444. In a garden.—*H. K.* ii. 254 α

Hepatica trifolia caeruleo flore. *Boerh.* i. 30.

Trifolium hepaticum flore simplici. *Raii hist.* 580.

On Mount Wasserfall near Schaffhausen in Switzerland.

Trifolium hepaticum, sive trinitatis Herba, flore caeruleo. *Magn. monsp.* 271. *Bauh. J.* ii. 389, repr. in

Caryophyllata vulgaris, flore parvo luteo. *Bauh. J.* ii. 398. l. (The name & descr. *Geum urbanum*.)

Trifolium aureum. *Dod.* 569, cop. in

Hepatica nobilis, sive trifolia simplex. *Park. theatr.* 1368, & repr. in

Hepaticum trifolium. *Lob. obs.* 496; *ic.* ii. 34, & *Ger. by Johns.* 1203. *Raii eur.* 143. About Turin Schaffhausen and Geneva.

Herba trinitatis. *Dalech.* 1274.

Hepatica nobilis. *Trag.* 519, repr. in

Epimedium. *Cord. fol.* 93. p. 1.

Native of the south of France, of Germany, and Sweden.

β *rubens*. Corolla pink. *Obs.* 5552. In a garden.—*Curt. mag. t.* 10. *H. K.* ii. 254 γ

Hepatica trifolia rubra. *Clus. pann.* 765, in the forest of Vienna; repr. in *Ger. by Johns.* 1203, &

Hepatica rubra. *Lob. ic.* ii. 34, & cop. in

Trifolium hepaticum, sive trinitatis Herba flore rubro. *Bauh. J.* ii. 390.

Hepatica flore rubro simplici. *Park. par. t.* 227. f. 2.

2. *Seeds caudate.* From L.

3. ANEMONE *patens*. Leaves digitate, multifid. L. sp. 759. Hort. kew. ii. 254. Roth germ. ii. 603, on the authority of Bergen.

Pulsatilla patens. Mill. Ph. dict. n. 4. Corolla whitish yellow.

ANEMONE *patens*. Krock. n. 846.

4. ANEMONE *Pulsatilla*. Leaves bipinnate. Petals straight. L. sp. 759. Bot. arr. 565. Willd. ber. 186. Fl. dan. t. 153. Krock. n. 848. Smith engl. t. 51, on Newmarket heath; brit. 580. Relh. 208. t. Petals patent, but only 9 tenths of an inch long, at Bartlow Cambridgeshire.—Roth germ. ii. 603. Petals after flowering not unfrequently slightly recurvate.

Pulsatilla vulgaris. Mill. Ph. dict. n. 1. The places of growth cop. from

Pulsatilla folio crassiore et majore flore. Dill. ap. Raii syn. 260, who inserts the places of growth given in ed. ii, and adds that it had been found by Richardson in dry mountainous pastures near Ledstone hall near Pontefract. [about 7 miles north of Pontefract in a limestone country.]—Tourn. paris. 130. Plant acrid.—Vaill. paris. 166.

Pulsatilla purpurea caeruleave. Bauh. J. iii. 409. Root acrid.

Pulsatilla. Dod. 430, repr. in

Pulsatilla vulgaris dilutior flore, Clus. hist. i. 246,

Pulsatilla vulgaris. Lob. ic. i. 281, and Ger. by Johns. 385, cop. in Park. theatr. 341, &

Pasque flower. Pet. herb. t. 40. f. 10, & abr. in

Pulsatilla anglica purpurea. Park. par. t. 201. f,

1. (The descr. A. pratensis,) & cop. in

Pulsatilla vulgaris flore dilutiore. *Hist. ox. s. 4. t. 26. f. 1.*

Scapus 6 inches long, erect, villose. *Involucrum* villososericeous, shining; hairs yellowish white. *Flower* oblique. *Corolla* half as long again as the involucre, glabrous within, without villososericeous, with yellowish white shining hairs, extending beyond the ends of the petals; petals 5, elliptico-lanceolate, straight, acute, some emarginate and entire, from 1 inch 5 tenths to 1 inch 7 tenths of an inch long, patent, the points of the most distant petals being 2 inches from each other, twice and a fourth longer than the stamina. *Pistils* half as long as the corolla. *Obs.* 7033. Specimen from Prof. Jos. F. Jacquin, on the label of which it is said to be the *Pulsatilla officinarum vulgaris*, but not that of Storck, and the flowers are said to appear before the leaves. Storck says the plant is not acrid. If Storck made this observation on a recent plant, what many medical authors have treated of as *A. Pulsatilla*, must have been *A. pratensis*. None of my dried specimens are acrid. Some leaves of what Dr. Coyte cultivates for *A. Pulsatilla* and which when recent 4 years ago were highly acrid are now perfectly mild.—*Scapus* 6 inches long, villose, acrid. *Involucrum* multipartite, villose, erect, sheathing the scapus at the base; segments some deeply pinnatifid, others simple, setaceous-linear. *Peduncle* shorter than the involucre, villose. *Corolla* violaceous-purple, sericeo-villose on the outside, glabrous within, somewhat shorter than the involucre, as long as the peduncle, campanulate; petals 6, ovali oblong, obtuse, 1 inch 2 tenths of an inch long, the ends slightly recurvate. *Stamina* erect, half as long as the corolla. *Antherae*

yellow, beginning to discharge their pollen. *Pistils* somewhat longer than the stamina. *Obs.* 8065. In the garden of Mr. Knowlton, who says that the corolla is patent for a few hours in a fine day after rain.

PULSATILLA. Dale 164. *Geoffr. suite* ii. 114. *Linn.* 169. *Vog.* 136.

Pulsatilla folio crassiore, et majore flore. *Chom.* 135.

5. ANEMONE *campaniflora*.—Leaves bipinnate. Ends of the petals reflex. *L.*

A. pratensis. *L. sp.* 760; *mant.* 406. *Fl. dan. t.* 611. *Spal. 18. t.* Petals an inch long.—*Hort. kew.* ii. 255. *Willd. ber.* 186. *Roth germ.* ii. 604. *Krock. ii. n.* 849. *t. 15.* *Sibth. ox.* 169. On Whichwood forest, near Cornbury quarry, and Burford downs in Oxfordshire. He says it appeared to be different from a plant from Gogmagog hills Cambridgeshire cultivated in the Oxford garden.—*Woodv. iii.* 400. *t. 148.*

Pulsatilla pratensis. *Mill. Ph. dict. n.* 2.

Pulsatilla vulgaris. *Raii cat. ed. i.* 255; *ed. ii.* 246.

On Gogmagog hills, on the left of the highway leading from Cambridge to Haverill, just at the top of the hill; and also about Hildersham, 6 miles from Cambridge; and on Barnake heath not far from Stamford in great plenty, and on Southrop common adjoining thereto.

Pulsatilla anglica purpurea. *Park. par.* 199. descr. (The fig. *A. Pulsatilla*.)—*Raii syn. ed. i.* 93; *ii.* 144, observing that in his former works misled by Gerarde he had erroneously referred it to *Pulsatilla vulgaris* instead of

Pulsatilla vulgaris, saturatiore flore. *Clus. hist.* i, 246, *cop. in Hist. ox.* s. 4. t. 26. f. 2, *repr. in*

Pulsatilla altera icon. *Dod.* 430,

Pulsatilla flore clauso. *Lob. ic.* i. 283, &

Pulsatilla flore minore. *Ger. by Johns.* 386, and one of the flowers *cop. in*

Pulsatilla rubra Swertii. *Park. par. t.* 201. f. 4.

Pulsatilla flore clauso caeruleo. *Bauh. J.* iii. 410.

No fig.

Herba venti. *Trag.* 413, just come into flower, with the radical leaves fully grown. Petals reflex at the end.

PULSATILLA *nigricans.* *Pharm. austriaco-prov.* 59.—*Berg.* 489. *Cull.* ii, 215. *Lew. disp. by Dunc.* 329; *by Rother.* 222. *Murr.* iii. 93.

Pulsatilla. *Lew.* ii. 252. *Vog.* 136, who considers it the produce of *A. Pulsatilla*, but as Willdenow in *ber.* speaks of *A. Pulsatilla* as rare and *A. pratensis* as common, I suspect that it was this latter species which the Prussians made use of.—*Ware ophth.* 178.

Pulsatilla nigra. *Ploucq. bibl.* i. 230.

2. Seeds without a tail. From L.

6. **ANEMONE** *nemorosa.* Leaves ternate, in threes, petiolate; folioles incise. Stem uniflorous. Petals oval. *Obs.* 7324. In a wood.—*L. sp.* 762. *Curt. lond.* ii. 38. t. *Fl. dan. t.* 549. *Bot. arr.* 566. *Smith engl. t.* 355; *brit.* 581. *Krock. n.* 853.

Anemonoides nemorosa alba verna. *Vaill. paris.* 12.

Ranunculi quarta species candida. *Fuchs.* 166. c, 57, *cop. in*

Ranunculus phragmites albus vernus. *Bauh. J.* iii, 412. *Tourn. parisi.* 135.

A. quinta. *Dod.* 432, cap. in

Wood Anemone. *Pet. herb. t.* 40. f. 9, &

Ranunculus nemorosus albus simplex. *Park. theatr.* 325, & repr. in

Ranunculus silvarum. *Clus. hist.* i. 247, &

A. nemorum alba. *Ger. by Johns.* 383. *Raii syn.* 259.

Root terete, horizontal and erect. *Radical leaf* solitary, ternate; *petiole* filiform, with a furrow on the upper side. *Stem* nearly twice as long as the radical leaf. *Cauline leaves* as large again as the radical leaves; folioles rhombo-elliptic; margin serriceous. *Obs.* 7324.—*Receptacle* of the fruit globular, with angular cavities. *Obs.* 6325.

ANEMONE. *Rutty* 27. *Vog.* 93.

Anemonoides. *Dale* 163.

Ranunculus nemorosus. *Geoffr. suite* ii. 170.

Ranunculus albus. *Pharm. suec.*—*Berg.* 491. *Lew. disp. by Dunc.* 329. *Linn.* 169. *Murr.* iii. 91.

Ranunculus phragmites purpureus vel albus vernus. *Chem.* 653.

590. CLEMATIS.

Calyx none. *Petals* 4, 5, and 6. *Seeds* caudate. *From L. & Murr.*

1. *CLEMATIS sinensis.* Leaves pinnate; folioles 5, entire at the margin. *Petals* lineari-lanceolate; inner margin tomentose. *From*

C. chinensis. *Retz. obs.* ii. 18. n. 53. t. 2, &

CLEMATIS sinensis. *Lour.* i. 422.

2. CLEMATIS *Flammula*. Leaves pinnate; folioles of the lower leaves incise, of the uppermost entire. Petals oblong, longer than the stamina. *Obs.* 8755. Specimen gathered by Mrs. Thomas in a garden near London.—*L. a Murr.* 512; *sp.* 766. *Hort. kew.* ii. 260. *Host* 304. *Gou. hort.* 262; *monsp.* 155. *Roth germ.* i. 232; ii. 596.
- C. caespitosa.* *Scop. carn. n.* 671.
- C. caule scandente, foliis pinnatis trilobatis.* *Hall. hist. n.* 1143.
- Clematitis maritima repens.* *All. nic.* 122.
- Clematitis, sive Flammula repens.* *Magn. hort.* 59. *Garid.* 120.
- Flammula.* *Rupp. ab Hall.* 68. In thickets.—*Dod.* 400, *repr. in*
- C. altera urens, vulgi Flammula.* *Lob. obs.* 346; *ic.* i. 627, &
- C. urens.* *Ger. by Johns.* 888, & *cop. in*
- C. sive Flammula scandens tenuifolia alba.* *Bauh. J.* ii. 127. *Magn. monsp.* 70.
- Flammula Dodonaei.* *Dalech.* 1171.
- C. urens I.* *Tab. ic.* 882.
- (*C. urens II.* *Tab. ic.* 883 is a plant with simple leaves.)
- Panicle* terminal, foliaceous. *Petals* semitransparent pubescent. *Obs.* 8753. Specimen from Dr. Heise.—*Panicle* terminal, leafless. *Petals* semitransparent, glabrous, pubescent at the margin, yellowish white. *Obs.* 8755.
- CLEMATIS *altera urens, vulgi Flammula.* *Lob. adv.* 276. No fig.
3. CLEMATIS *Vitalba*. Leaves pinnate; folioles ovate & cordate. Petioles scandent. Petals oblong, coriaceous, just longer than the stamina. *Obs.*

5191. 8754. Specimens gathered in Worcestershire on the west side of the road between Powick and the Old hills on the descent to the first brook, between Powick and Malvern, and between Hauley Castle and Upton, all on gravel. 16. Aug. I have seen also a specimen gathered by Dr. Winstanley between Froceter in Gloucestershire and the next stage on the road to Bath.—*L. sp.* 766; *am.* vi. 52. At Harderwyk in Holland.—*Reich. franc. n.* 352. *Bot. arr.* 568. *Smith brit.* 583; *engl. t.* 612. *Krock. n.* 859. *Huds.* 238. On calcareous soil.

C. caule scandente, foliis pinnatis ovato-lanceolatis, petalis coriaceis. *Hall. hist. n.* 1142.

C. seu Viorna vulgi. *Besl. hort. aest. ord.* 6. *fol.* 5.

Vitis nigra II. *Tab. ic.* 892.

C. latifolia, seu Atragene quibusdam. *Bauh. J.* ii. 125. The figures represent the 2 variations.—*Raii syn.* 258; *hist.* 620.

Petals tomentose. *Obs.* 8754.

Native of Ita'y, France, Switzerland, Germany, the Low Countries, Holland, Kent, Essex, Bedfordshire, Buckinghamshire, Oxfordshire, Gloucestershire, and Worcestershire as far north as Worcester.

VITALBA. *Murr.* vi. 120.

Clematis. *Vog.* 98.

Viorna. *Geoffr. suite* iii. 327.

Atragene. *Dale* 162.

Herbe au gueux. *Chom.* 651; *suppl.* 182.

α integrifolia. Leaves mostly entire at the margin.

Obs. 5191. *L. sp.* 766 *α.* *Roth germ.* ii. 595 *α*

C. Vitalba foliis minus dentatis. *Poll. n.* 521.

C. Vitalba. *Jacq. austr.* iv. t. 308.

C. Vitalba with entire leaves. *Mill. Ph. dict. n.* 4.

- C. caule scandente, foliis pinnatis ovato-lanceolatis, petalis coriaceis. *Hall. hist. n.* 1142.
- Clematidis sylvestris latifolia, foliis non incisis. *Tourn. paris.* 72. *Vaill. paris.* 39.
- Vitis nigra. *Fuchs.* 97, fol. ed. cop. in
- C. latifolia integra. *Bauh. J.* ii. 125, &
- Plain Travellers-joy, *Pet. herb. t.* 40. f. 12, and abr. in
- Vitis sylvestris. *Trag.* 818.
- C. tertia. *Cam. epit.* 697.
- Viorna. *Ger. by Johns.* 885. (The fig. is β)
- β serratifolia. Folioles serrate. *From authors.—L.* sp. β
- C. Vitalba with indented leaves. *Mill. Ph. dict. n.* 4, who observes that this variety is the most common.
- C. Vitalba. *Curt. lond.* iv. 37. t. 244. In chalky soil.
- C. foliis pinnatis, foliolis cordatis inaequaliter inciso-crenatis. *L. cliff.* 225.
- Clematidis sylvestris latifolia. *Tourn. paris.* 72. *Vaill. paris.* 39. *Boerh.* i. 46.
- Vitalba. *Dod.* 399, repr. in
- Viorna. *Lob. ic.* i. 626, *Ger. by Johns.* 886, &
- Atragene Theophrasti. *Clus. hist.* i. 122, & cop. in
- C. sylvestris latifolia, sive Viorna. *Park. theatr.* 383, who observed it in Buckinghamshire, Bedfordshire, Essex, and Kent.
- C. latifolia dentata. *Bauh. J.* ii. 125, &
- Travellers-joy. *Pet. herb. t.* 40. f. 11.
- Vitis sylvestris. *Dalech.* 1408.
4. CLEMATIS erecta. Leaves pinnate; folioles entire at the margin, lanceolato-ovate. Stem erect. Petals 5 and 4. *Obs.* 7987. Specimen gathered

in Mr. Hunter's nursery.—*L. nat.* 377; *a Murr.* 512. *Woodv.* i. 175. *t.* 62. *Roth germ.* ii. 596. *Jacq. austr. t.* 291.

C. recta. *L. sp.* 767. *Hort. kew.* ii. 260. *Scop. carn. n.* 667. *Krock. n.* 857.

Clematitis, sive Flammula surrecta alba. *Boerh.* i. 46.

C. sive Flammula surrecta alba. *Raii hist.* 621; *eur.* 102. In hedges on mountains near Ratisbon in Germany.—*Bauh. J.* ii. 127, *cop. from*

Flammula altera. *Dod.* 400, *which repr. in*

Flammula altera surrecta. *Lob. obs.* 346; *ic.* i. 627, &

Flammula Jovis surrecta. *Ger. by Johns.* 888, *cop. in Park: theatr.* 382, & *repr. in*

Flammula Matthioli. *Clus. hist.* i. 124. *Dalech.* 1171.

Flammula Jovis officinarum. *Spal.* 8. *t.*

Flammula Jovis. *Storck flamm.* 7. *t.*

FLAMMULA Jovis. *Pharm. austriaco-prov.* 38.

—*Berg.* 492. *Dale* 162. *Gillibert, account from in med. journ.* v. 130. *Lew.* i. 435; *disp. by Dunc.* 341; *by Rother.* 160. *Linn.* 170. *Murr.* iii. 103. *Stoll med.* i. 140; ii. 365; iii. 158. 167.

591. THALICTRUM.

Calyx none. *Petals* 4 and 5. *Seeds* several, without a tail. *L.*

1. *THALICTRUM sinense.* Stem simple. Flower solitary. Leaves lineari-lanceolate. *Lour.* i. 423.

2. *THALICTRUM flavum*. Folioles cuneiformi-oblong, trifid. Panicle coarctate, erect. Stem furrowed. *Obs.* 4556. Specimen gathered on the banks of the Severn below Worcester.—*L. suec.* n. 488; *sp.* 770. *Fl. dan. t.* 939. *Bot. arr.* 569. *Smith engl. t.* 367; *brit.* 585. *Krock. n.* 864.

T. nigricans. *Jacq. austr. v. t.* 421.

T. pratense. *L. lapp. n.* 224.

T. sive T. majus. *Raii hist.* 403; *syn.* 203.

T. majus, siliqua angulosa aut striata. *Boerh. i.* 44. *Tourn. paris.* 308. *Vaill. paris.* 191.

T. nigrius, caule et semine striato. *Bauh. J. iii.* 486.

THALICTRUM. *Boerh. i.* 68. *Dale* 112. *Geoffr. suite iii.* 172. *Murr. iii.* 107. *Vog.* 228.

3. *THALICTRUM Cornuti*. Flowers dioecious. Folioles ovate, trifid. Panicles terminal. *Hort. kew.* ii. 262. *L. sp.* 768.

T. canadense minus. *Boerh. i.* 45.

T. canadense. *Corn.* 186. *t.*

THALICTRUM Cornuti. *Schoepf* 93.

4. *THALICTRUM purpurascens*. Folioles tripartite. Stem twice as long as the leaves. Flowers cernuous. *L. sp.* 769?—*Schoepf* 93.

5. *THALICTRUM majus*. Folioles trifid and multifid, glaucous underneath. Flowers cernuous. Panicle diffuse. Flowering branches axillary, in twos and threes. *Obs.* 8768. Specimen from Prof. Jos. F. Jacquin, and from *Jacq. ap. L. a Murr.* 513; *austr. v. t.* 420. *Smith brit.* 585; *engl. t.* 611.

T. speciosissimum glaucum, semine et caule striato.
Bauh. J. iii. 486. *Raii hist.* 403.

T. majus flavum, staminibus luteis, vel glauco folio.
Boerh. i. 44. *Rupp. ab Hall.* 69.

T. magnum. *Dod.* 58, *cop. in*

T. majus vulgare. *Park. theatr.* 264, & repr. in

T. sive T. majus. *Ger. by Johns.* 1251.

PSEUDO-RHABARBARUM. *Dale* 112.

592. ADONIS.

Calyx pentaphyllous. *Petals* 5 to 15. *Capsules*
 monospermous, numerous. *Obs.* 6612. *L.*

1. *ADONIS erosipetala.* *Petals* 6 to 10, obovate,
 erose. Heads of fruit oblongo-ovate. *Obs.* 2876.
 In a garden.

A. autumnalis. *Smith engl. t.* 308; *brit.* 586. *L.*
sp. 771; *mant.* 407; *a Murr.* 514. *Curt. lond.* ii.
 37. *t.* 135. *Bot. arr.* 571, where crase Plant with
 one flower, an error *cop. from L. a Reich.* ii. 651,
 which repr. in *L. a Willd.* ii. 1304, Reichard
 having inserted from *L. mant.* 407, an observation
 relating to *A. vernalis* under *A. autumnalis.*—*Huds.*
 239. In Kent frequent, and found by Watson near
 Acton.

Adonis. L. ups. 156 β . *Cam. epit.* 647.

A. annua. *Mill. Ph. dict. n.* 1. In fields of wheat
 by the side of the Medway, between Rochester and
 Maidstone.—*Gou. hort.* 264. Near Montpelier.

A. hortensis, flore minore atro-rubente. *Boerh. i.*
 35.

A. recentiorum. *Magn. monsp.* 5.

Ranunculus foliis anthemidis, flore minore atro-rubente. *Magn. hort.* 168.

Ranunculus arvensis, foliis chamaemeli, flore minore atro-rubente. *Tourn. paris.* 523. *Vaill. paris.* 170.

Flos A. flore rubro. *Park. par.* 293. t. 291. f. 5.

In corn fields in many places in England—*Raii eur.* 126. In corn about Leghorn, and about Montpellier.—*Ger. by Johns.* 387, who gathered it in the west of England; repr. from

Eranthemum. *Dod.* 260; which abr. in

A. flower. *Pet. herb. t.* 39. f. 8, and repr. in

Flos A. vulgo. *Clus. hist. i.* 386,

A. recentiorum. *Lob. obs.* 150, and

Flos Adonis. *Lob. ic. i.* 283. *Raii hist.* 596; cat.

116, who observes that he never saw it in Britain;

—*syn.* 251. Found by James Sherard between Stonechurch and Queenhithe.

A. sive Anthemis. *Dalech.* 970, repr. in

Chamaemelum silvestre. *Dalech.* 1344. (The separate flowers and fruit A. aestivalis.)

Flos A. vulgo, aliis Eranthemum. *Bauh. J. iii. a.*

125. (The figures probably A. aestivalis from the obovato-oblong petals.)

Native of Italy, France, Kent, the neighbourhood of London and Dublin, Norfolk, and Gloucestershire.

FLOS ADONIS. *Dale* 159.

2. ADONIS *vernalis.* Petals about 12, lanceolate.—

Head of fruit ovate. *Obs.* 6612. In a garden.—

L. suec. n. 492; *sp.* 771. *Hort. kew.* ii. 264. *Curt.*

mag. t. 134. *Scop. carn. n.* 678. *Poll. n.* 526.

Gou. hort. 264. Near Montpellier.—*Host* 308.

In Austria and Hungary.—*Krock. n.* 867.

Pseudo Helleborus niger. *Besl. hort. hyem. fol. 4,*
imit. in

A. hellebori radice, bupthalmi flore. *Mill. Ph. ic.*
9. t. 14. f. 1.

Bupththalmum. *Dod. 261, repr. in*

Bupththalmum, sive Helleborus niger ferulaceus. *Ger.*
by Johns. 746. & cop. in

Helleborus niger ferulaceus. *Park. theatr. 213.*

Pseudoelleborus, sive Consiligo. *Dalech. 1638.*

Helleborus niger ferulaceus, sive Bupththalmum.
Park. par. t. 291. f. 6.

Elleborus niger verus. *Trag. 406.*

Bupththalmum Dodonaei, alijs Consiligo tenuifolia.
Bauh. J. iii. 637. Raii hist. 597.

Stem branched from the base. *Leaves* laciniate,
the lowermost on short membranaceous petioles, those
above sessile. *Calyx* yellowish green, villosulous;
phylla lanceolate, obsoletely serrate towards the end.
Corolla bright yellow, as long again as the calyx;
petals 15, obsoletely serrate towards the end. *Ger-*
mina microscopically pubescent. *Obs. 6612.*

Native of the south of France, Carniola, Hungary,
Germany, and the isle of Oeland on the coast of
Sweden.

HELLEBORUS *niger tenuifolius, bupthalmi*
flore. *Carth. ii. 415. Schrod. 761.*

Pseudo-Helleborus niger. *Dale 159.*

3. **ADONIS** *capensis.* *Leaves* biternate; folioles sub-
cordate. *L. fil. suppl. 272.*

Imperatoria ranunculoides africana enneaphyllos, la-
serpitii lobatis foliis rigidis margine spinosis.
Pluk. alm. 198; phyt. t. 95. f. 2.

RANUNCULUS aethiopicus, foliis rigidis, floribus ex luteo-virescentibus. *Comm. J. hort. i. 1. t. 1.* Calyx quinquepartite. *Petals 5.*

4. *ADONIS vesicatoria.* Leaves biternate; folioles serrate. Petals many, linear. *Obs. 8769.* Specimen gathered in Fothergill's garden.

A. capensis. *L. a Murr. 514; sp. 772.*

Knowltonia rigida. *Sal. R. hort. 372. Bot. mag. t. 775.*

Christophoriana trifoliata hirsuta, foliis scabris, flore sulphureo rariore. *Burm. J. afr. 145. t. 51.* Calyx pentaphyllous. Petals many.

ADONIS vesicatoria. *L. fil. suppl. 272.*

593. RANUNCULUS.

Calyx pentaphyllous. *Corolla* pentapetalous. *Nectaria 5*, inserted into the base of the petals. *Capsules* monospermous, not opening. *Obs. 3450.* *L.*

1. *Leaves undivided.* *L.*

1. *RANUNCULUS Flammula.* Leaves lanceolate, petiolate, denticulate. Stem declinate. *Obs. 283.* On the side of Kinson pool near Stafford.—*L. sp. 772. Lightf. 288. Bot. arr. 571. Smith engl. t. 387; brit. 587. Fl. dan. t. 575. Curt. lond. vi. t. 37.*

R. longifolius, palustris, minor. *Tourn. paris. 135.*

R. flammeus minor. *Raii syn. 250.*

R. longifolius, aliis Flammula. *Bauh. J. iii. 864,* with leaves representing the varieties, as entire at

the margin, and serrate. (The 5 lower leaves elliptic ovate and oval, are I suspect *R. parnassifolius*.)

Leaves, margin remotely and irregularly serrate dentate and nearly entire. *Petals* $3\frac{1}{2}$ tenths of an inch long, and nearly as much broad. *Obs.* 283.

FLAMMULA. *Dale* 159. *Krock. n.* 869. *Lew.* ii. 262. *Murr.* iii. 86.

R. Flammula: *With. in bot. arr.* iii. p. cxxiv.

R. longifolius, aliis *Flammula*. *Vog.* 115.

✱ *denticulatus*. *Leaves* denticulate. *Obs.* 283. *Walc.* t.

R. longifolius palustris minor. *Vaill. paris.* 168.

Flammula Ranunculus. *Dod.* 429, repr. in

R. flammeus minor. *Ger. by Johns.* 961, and a branch cop. in *Park. theatr.* 1215, right hand figure.

Ranunculi species duodecima laevibus foliis. *Cord.* fol. 121. p. 2.

β *serratus*. *Leaves* elliptico-lanceolate, serrate. *Obs.* 4347. On the side of Kinson pool near Stafford.—
L. sp. 773 β

R. palustris, serratus. *Vaill. paris.* 168.

Flammula R. folio serrato. *Dod.* 429, repr. in

R. flammeus, serratus. *Ger. by Johns.* 962, abr. in Small Spearwort. *Pet. t.* 39. f. 6, and a branch cop. in

R. flammeus minor folio serrato. *Park. theatr.* 1215, left hand fig.

Ranunculi species duodecima serratis foliis. *Cord.* fol. 121. p. 2. A leaf.

2. *RANUNCULUS salicifolius*. *Leaves* lanceolate,

nearly sessile. Stem erect. *Obs.* 271. On the margin of Kinson pool near Stafford.

R. Lingua. *L. sp.* 773. *Bot. arr.* 572. *Smith engl. t.* 100; *brit.* 588. *Fl. dan. t.* 755. *Krock. n.* 871.

R. flammeus major. *Raii syn.* 250. *Ger. by. Johns.* 961, *cop. in Park. theatr.* 1215, and

Great Spearwort. *Pet. herb. t.* 39. *f.* 5.

R. longifolius palustris major. *Tourn. paris.* 524. *Vaill. paris.* 168. *Rupp. ab Hall.* 104.

R. longo folio maximus, Lingua Plinii. *Bauh. J.* iii. 865.

Stem 2 feet 10 inches long, branched above, glabrous below, hirsutulous above; hairs mostly adpressed, some patent, yellowish. *Branches* erect. *Leaves* acute, obsoletely dentate at the margin, microscopically sericeous, not shining, with minute whitish dots, the lower a foot long; hairs distinct. *Peduncles* hirsutulous; hairs adpressed and patulous, yellowish. *Petals* yellow, obovate, 7 tenths of an inch long, $6\frac{1}{2}$ tenths of an inch broad. *Seeds* in a globular head, ovate, somewhat acuminate, compressed; inner margin more acute than the outer. *Obs.* 7166.

RANUNCULUS flammeus. *Dale* 159.

R. longifolius. *Rutty* 421.

2. *Leaves divided.*

3. *RANUNCULUS Thora.* *Leaves* reniform, subtrilobate, crenate; that on the stem sessile; those near the flowers lanceolate. *Stem* with mostly 2 flowers. *L. sp.* 775. *Hort. kew.* ii. 266. *Scop. carn. n.* 685. *Host.* 309. *Jacq. vind.* 249; *austr. t.* 442. *Krock. n.* 874.

R. folio cyclaminis, radice asphodeli major. *Boerh.* i. 35.

Tora major. *Cam. epit.* 825, flowers of the outer fig. and the inner fig. *cop. in*

Thora folio cyclaminis. *Bauh. J.* iii. 650, with added leaves.

Tora valdensium. *Dalech.* 1735.

Thora valdensium. *Clus. pann.* 372. No fig.

Thora valdensis. *Raii hist.* 591; *eur.* 248. On the highest summits of Mount Jura near Thuir.—

Ger. by Johns. 966. *Dod.* 440; repr. in

R. grumosa radice. *Clus. hist.* i. 239, &

Thora montis Baldi sive sabaudica. *Ger. by Johns.* 966.

Phthora valdensium. *Lob. ic.* i. 604, repr. in

Pthora valdensium montis Baldi. *Clus. hist.* i. 239.

Phtora valdensium, et Thora. *Lob. adv.* 263, *imit. in*

Limeum alterum duplici folio. *Dalech.* 1739.

Limeum pardalianchis genus imo tantum folio. *Dalech.* 1738.

Tora minor. *Cam. epit.* 826, *cop. in*

Aconitum Pardalianches, seu Thora minor. *Park. theatr.* 317.

THORA. *Dale* 159.

Thora valdensis. *Lew. disp.* 146.

Aconitum Thora. *Woodv.* 435.

Root found among Gentian. *Brocklesby in ph. tr. abr. by Hutt.* ix. 488.

4. **RANUNCULUS** *sceleratus.* Lower leaves palmate; the uppermost digitate. Fruit oblong. *L. succ. n.* 499; *sp.* 776. *Bot. arr.* 573. *Curt. lond.* ii. 42. *t. Fl. dan. t.* 571. *Smith brit.* 590; *engl. t.* 681. *R. sylvestris* L. *Dod.* 423, repr. in

R. palustris, rotundior e folio. *Lob. obs.* 382; *ic.* i. 669; *cop. in*

R. palustris sardonius laevis. *Park. theatr.* 1215; & *repr. in*

R. palustris rotundifolius. *Ger. by Johns.* 962. *Raii hist.* 585.

R. palustris. *Raii syn.* 249.

R. aquaticus, sive *Apium risus*. *Fuchs.* 165. c. 57, *cop. in*

R. palustris, flore minimo. *Bauh. J.* iii. 858, and *imit. in*

Apium aquaticum. *Trag.* 93.

R. I, Matthioli. *Dalech.* 1027.

RANUNCULUS *sceleratus*. *Coxe* 376. *Schoepf* 93.

R. palustris. *Dale* 158. *Geoffr. suite ii.* 176. *Krock. n.* 876. *Murr.* iii. 82.

R. palustris apii folio laevis. *Rutty* 421.

5. **RANUNCULUS** *aquaticus*. The leaves under water with hairlike segments, those floating on and out of the water lobate tripartite and ternate. *Obs.* 4348. Specimen gathered near Worcester.—*L. suec. n.* 509; *sp.* 781. *Bot. arr.* 577. *Scop. carn. n.* 681. *Krock. n.* 887.

RANUNCULUS *aquaticus*. *Poll. n.* 539. *Pult. in lin. tr.* v. 18.

- α *lobatus*. (Variation.) The leaves which float on the water lobate. *Obs.* 4350. Near Worcester.

R. aquaticus albus. *Bauh. J.* iii. 781. (The word *tenuifolius* belongs to the name in the adjoining column.)

Leaves, upper in one plant lobate, lower and uppermost hairlike. *Petals* $3\frac{1}{2}$ tenths of an inch long.

Stamina many. *Receptacle* pilose; hairs attenuate, as long as the germina. *Obs.* 5775. In a pool, the sides of which dried up.

β *trifidus*. (Variation.) The leaves which float upon the water trifid and lobate. *Obs.* 5705. Specimen gathered by Mr. Hollefeare in Worcestershire.

R. aquatilis. *L. α. Huds. α. Bot. arr. α. Dod.* 576, repr. in *Ger. by Johns.* 829. *Raii syn.* 249. *Smith engl. t.* 101.

R. heterophyllus. *Willd. ber.* 190. *Sibth. ox.* 175.

R. foliis inferioribus capillaceis; superioribus peltatis. *L. lapp. n.* 234.

R. aquaticus, folio rotundo et capillaceo. *Tourn. paris.* 524. *Vaill.* 170.

γ *circinatus*. (Variation.) Leaves with hairlike segments; the ends forming a circular outline. *Obs.* 5707. Specimen gathered by Withering near Birmingham.

R. aquatilis. *L. β. Huds. δ. Bot. arr. β. Willd. ber. β*

R. circinatus. *Sibth. ox.* 175.

R. aquaticus capillaceus. *Tourn. paris.* 298.

R. aquatilis capillaceus. *Vaill. paris.* 170.

R. aquaticus albus, circinatis tenuissime divisis foliis. *Pluk. alm.* 311; *phyt. t.* 52. *f.* 2.

R. aquatilis omnino tenuifolius. *Bauh. J.* iii. 781, the word *tenuifolius* misplaced in the adjoining column.—*Raii syn.* 249.

Millefolium, sive Maratriphyllon flore et semine ranunculi aquatici, hepaticae facie. *Ger. by Johns.* 827.

Petals $3\frac{1}{2}$ tenths of an inch long. *Stamina* many. *Receptacle* pilose; hairs as long as the germina.

Obs. 5775. Gathered on the side of a pool, where the water had been dried up, growing amongst *α*.
Millefolium aquaticum cornutum. Bauh. J. iii.
 784.

R. aquaticus albus, circinatis tenuissime divisis foliis, floribus ex alis longis pediculis innixis. Raii syn.
 249. *Vaill. paris.* 171.

♂ *capillaceus.* (Variation.) All the leaves with hair-like segments; segments diverging, the ends forming an irregular outline. *Obs.* 5706. Specimen gathered near Worcester.

R. aquatilis. L. γ. Huds. β. Bot. arr. γ. Sibth. ox. 175. *Willd. ber. α.*

R. Trichophyllum aquaticus medioluteus. Col. ecphr. i. 315.

R. alter aquaticus feniculaceus τριχοφυλλον. Col. ecphr. i. t. 316.

Alga prima. Trag. 687. No fig.

• *fluvialis.* Leaves with hair-like segments: segments parallel. *Obs.* 5708. Specimen gathered on shoals in the Severn above Worcester.

R. aquatilis. L. δ. Huds. γ. Bot. arr. 578 δ. *Fl. dan. t.* 376.

R. fluvialis. Willd. ber. 191. *Sibth. ox.* 176.

Ranunculo sive polyanthemo aquatili albo affine, Millefolium maratrichyllum fluitans. Bauh. J. iii.
 782. *Raii syn.* 250.

R. aquatilis albus fluitans, peucedani foliis. Tourn. paris. 524. *Vaill. paris.* 171.

Petals 3 to 7 tenths of an inch long. *Obs.* 5708.

6. **RANUNCULUS abortivus.** Radical leaves cordate, crenate; cauline leaves ternate, angular. Stem mostly triflorous. *L. sp.* 776. *Donn* 138.

R. foliis radicalibus cordatis crenatis, caulinis digitatis petiolatis. *Roy.* 490.

R. foliis radicalibus cordatis crenatis, caulinis ternatis angulatis, caule subtrifloro. *Gron. virg.* 86.

R. virginianus, parva flore, molliori folio, *Herm. hort.* 514. *Boerh.* i. 32. n. 18.

RANUNCULUS abortivus. *Schoepf* 93.

Ranunculus. *Rush* i. 31.

R. foliis radicalibus subrotundo-crenatis, caulinis digitatis dentatis, caule multifloro. *Cutl.* 458.

7. *RANUNCULUS aconitifolius.* Lower leaves ternate; lateral folioles bipartite; intermediate foliole partite; segments lanceolato-elliptic, incise, serrate. *Obs.* 3448. Specimen gathered in Fothergill's garden.—*Scop. carn. n.* 680. *L. sp.* 776. *Host* 310. *Hort. kew.* ii. 267. *Roth germ.* ii. 613. *Poll. n.* 532. *Fl. dan. t.* 111. Woods in Norway.—(*L. succ. n.* 497, who quotes *Tych. Holm.* for its having been found in the mountains of Lapland, is probably *R. platanifolius*.)

R. montanus, aconiti folio, albus, flore minore. *Boerh.* i. 31.

Aconitum batrachoides. *Lob. adv.* 300, in the mountains of Narbonne Auvergne and Savoy; & repr. in *ic.* i. 668.

R. montanus IV. *Clus. pann.* 370, on Schneeberg and other mountains of Austria; repr. in *Raii hist.* i. 236,

R. aconiti folio. *Ger. by Johns.* 954, & cop. in

R. flore albo, alpinus major. *Bauh. J.* iii. b. 860, who does not appear to have seen the plant.—*Raii hist.* 589; *eur.* 214, who marks it as not having fallen under his observation.

R. montanus albus. *Dalech.* 1031.

RANUNCULUS montanus. *Dale* 159.

8. *RANUNCULUS acris.* Leaves tripartite; segments multifid. Peduncles smooth. *Obs.* 3450. In meadows.—*L. suec. n.* 507; *sp.* 779. *Bot. arr.* 576. *Walc. t. Curt. lond. i.* 39. *t. Mart. rust. t.* 30. *Smith brit.* 593; *engl. t.* 652. *Woodv. iv.* 88. *t.* 246.

R. napellifolius. *Crantz. austr. i.* 114. *n.* 10. *t.* 4. *f.* 2.

R. pratensis erectus acris. *Boerh. i.* 30. *Vaill. par. ris.* 169. *Raii syn.* 248; *hist.* 583.

R. hortensis II. *Dod.* 422, *repr. in*

R. pratensis, surrectis cauliculis. *Lob. obs.* 379; *ic. i.* 665, & *cop. in*

R. hortensis alter. *Dalech.* 1032, &

R. pratensis acris. *Park. theatr.* 328, *which abr. in*

Upright meadow Crowfoot. *Pet. herb. t.* 38. *f.* 3, &

R. pratensis dulcis simplex. *Park. theatr.* 328. (The name & descr. *R. repens.*)

R. rectus non repens, flore simplici luteo. *Bauh. J. iii.* 416.

RANUNCULUS acris. *Dale* 158. *Krock. n.* 884.

R. pratensis. *Murr. iii.* 75. *Quar. febr.* 429.

R. pratensis erectus acris. *Rutty* 421. *Vog.* 115.

9. *RANUNCULUS repens.* Leaves ternate. Peduncles sulcate. Calyx patulous. Shoots creeping. *Obs.* 392. Near wet ditches.—*L. suec. n.* 505; *sp.* 779. *Curt. lond. iv.* 38. *t.* 211. *Fl. dan. t.* 795. *Bot. arr.* 575. *Smith brit.* 592; *engt. t.* 516. *Mart. rust. t.* 29.

R. pratensis repens hirsutus. Tourn. paris. 32.
Vaill. paris. 169. Boerh. i. 31.

R. pratensis repens. Raii hist. 581; syn. 247.
Park theatr. 329. (The fig. *R. polyanthemus*.)

R. hortensis L. Dod. 422, repr. in

R. pratensis etiamque hortensis, repfante cauliculo.
Lob. obs. 379, repr. in ic. i. 664,

R. pratensis etiamque hortensis. Ger. by Johns.
951, and cop. in

R. hortensis. Dalech. 1031, and

Creeping Crowfoot. Pet. herb. t. 38. f. 7.

Thames Crowfoot. Pet. herb. t. 38. f. 8.

R. sylvestris. Trag. 98, imit. in

R. repens, flore luteo simplici. Bauh. J. iii. 6.
419.

R. dulcis. Tab. ic. 51.

Native of Europe from the south to Lapland.

RANUNCULUS *pratensis repens.* Mill. Jos.
367.

R. pratensis repens hirsutus. Chom. 653.

R. pratensis. Geoffr. suite ii. 173.

Ranunculus. Dale 158.

10. **RANUNCULUS** *hirsutus.* Leaves ternate and tripartite; folioles tripartite and trifid. Peduncles sulcate. Calyx retroflex. Root fibrous. Obs. 7464. In a court.—Curt. lond. ii. 40. t. Bot. arr. 575. Smith brit. 592.

R. Philonotis. Retz. obs. vi. 31. n. 53; scand. n. 693.

R. rectus, foliis pallidioribus, hirsutus. Raii syn. 247. Vaill. paris. 169. Bauh. J. iii. 417, cop. in

Pale upright Crowfoot. Pet. herb. t. 38. f. 5.

Leaves, the lower with cuneiform segments. *Petals* obovate, bright yellow. *Nectarium* cuneiform, of the same texture and colour with the petals. *Obs.* 7464.

RANUNCULUS Sardous. *Roth germ.* ii. pars ii. 592.—*Krock. n.* 878.

11. *RANUNCULUS bulbosus*. Leaves ternate and tripartite; folioles petiolate, tripartite and pinnatifid. Peduncles sulcate. Calyx retroflex. Stem erect; with several flowers. *Obs.* 382. In meadows.—*L. lapp. n.* 229; *suec. n.* 504; *sp.* 778. *Bot. arr.* 574. *Curt. lond. i.* 38. *t.* *Lightf.* 292. *Mill. J. ill. t.* *Krock. n.* 881. *t.* 21. *Walc. t.* *Raii hist.* 581; *syn.* 247. *Smith brit.* 591; *engl. t.* 515. *Fl. dan. t.* 551. *Mart. rust. t.* 28. *Lob. obs.* 380, *repr. in ic. i.* 667, and *Ger. by Johns.* 953, *cop. in Park. theatr.* 329, and

R. tuberosus. *Dalech.* 1032, & *repr. in Dod.* 428.

R. pratensis, radice verticilli modo rotunda. *Tourn. paris.* 33. *Vaill. paris.* 169. *Boerh. i.* 31. In Holland.

R. luteus. *Trag.* 94.

R. minor. *Fuchs.* 166. *c.* 57, *cop. in*

R. tuberosus major. *Bauh. J.* iii. 417.

Root roundish, depressed, solid, whitish, acrid. *Stems* sometimes 3, inserted distinctly into the upper surface of the root. *Radical leaves*, segments in some plants lanceolato-linear, in others cuneiform. *Petals* subrotundo-obovate. *Nectarium* cuneiform, retuse. *Obs.* 382.

Natice of Europe from the south to Lapland.

RANUNCULUS bulbosus. *Bart.* 23. *Coxe* 376.

Dale 158. *Geoffr. suite* ii. 266. *Mill. Jos.* 367.
Murr. iii. 88.

R. pratensis, radice verticilli modo rotunda. *Chom.*
652. *Rutty* 421.

Ranunculus. *Lew.* ii. 262.

594. FICARIA.

Calyx triphyllous. *Corolla* polypetalous, longer
than the calyx. *Nectaria* inserted into the petals.
Capsules numerous, monospermous. *Obs.* 4501.
Dill.

1. *FICARIA verna.* *Huds.* 244. *Bot. arr.* 579.

Ranunculus Ficaria. *L. suec. n.* 496; *sp.* 774. *Curt.*
lond. ii. 39. *t. Mart. rust. t.* 21. *Bot. arr.* 573.
Fl. dan. t. 499. *Walc. t. Smith brit.* 589; *engl.*
t. 584.

Ficaria. *Curt. mat. med. t.* 6.

R. praecox, rotundifolius, granulata radice. *Tourn.*
paris. 33.

R. vernus rotundifolius minor. *Vaill. paris.* 170.

Chelidonium minus. *Trag.* 113, repr. in

Chelidonium minus. *Cord. fol.* 121, p. 2. *Dalech.*
1048. *Dod.* 49, repr. in *Lob. obs.* 323; *ic.* i.
593; *Ger. by Johns.* 816, and cop. in *Park.*
theatr. 617. *Raii hist.* 579; *syn.* 246. *Boerh. i.*
29. *Fuchs.* 823. c. 333, cop. in

Scrophularia minor, sive *Chelidonium minus* vulgo
dictum. *Bauh. J.* iii. 468.

Potamogeton rotundiori folio. *Bauh. J.* iii. 776.

No fructifications. (Name and descr. belong to a
species of *Potamogeton*.)

R. latifolius. *Dalech.* 1036.

Calyx sometimes tetraphyllous; phylla oval, the outer membrane forming a transverse duplicature at the base somewhat resembling a stipula. *Germina* microscopically pubescent below. *Obs.* 4501.

CHELIDONIUM minus. *Berg.* 494. *Dale* 157.

Geoffr. iii. 314. *Krock. n.* 873. *Lew.* i. 329; *disp. by Rother.* 137. *Linn.* 170. *Mill. Jos.* 133. *Murr.* iii. 90. *Schrod.* 563. *Spielm.* 558. *Vog.* 97. 234.

R. Ficaria. *Bry.* 127.

Chelidonia rotundifolia minor. *Chem.* 759.

595. TROLLIUS.

Calyx triphyllous, coloured. *Corolla* polypetalous, as long as the calyx. *Nectaria* obsubulate. *Capsules* numerous, polyspermous. *Obs.* 4896. *Scop. L. Roth germ.* i. 236.

Differs from *Ficaria* in the polyspermous capsules, the insertion of the nectaria, and the calyx being of the same size and texture with the corolla.

1. **TROLLIUS** *rotundiflorus.* *Nectaria* somewhat shorter than the stamina. *Obs.* 4896. In a garden.

T. sphaericus. *Sal. R. in lin. tr.* viii. 302.

T. europaeus. *L. sp.* 782; *suec. n.* 510; *mant.* 408. *Bot. arr.* 580. *Smith brit.* 597; *engl. t.* 28, from a cultivated specimen.—*Scop. carn. n.* 694. *Gou. monsp.* 321. *Lightf.* 295. *Retz. scand. n.* 701. *Roth germ.* i. 236; ii. 608. *Fl. dan. t.* 133.

Helleborus. *L. lapp. n.* 226.

Helleboro-Ranunculus, flore luteo globoso. *Boerh.*
i. 297.

Ranunculus flore globoso. *Dod.* 427, *abr. in*
Globe Crowfoot. *Pet. herb. t.* 43. *f.* 2, & *repr. in*
Ranunculus glomerato flore. *Clus. hist. i.* 237, &
Ranunculus globosus. *Ger. by Johns.* 955. *and cop.*
in Park. theatr. 331. *Raii cat.* 258. On the side
of Snowdon near Llanberis, on the sides of Cader
Idris, in the meadows between Settle and Hinkel-
haugh in Yorkshire, and in many places of the
mountains in Wales Yorkshire and Westmor-
land.—*Raii syn.* 272. *Park. par.* 218. *t.* 219.
f. 11.

Ranunculus flore globoso, quibusdam T. flos. *Bauh.*
J. iii. 419.

Native of the south of France, Carniola, Germany,
Scandinavia, Lapland, Wales, Yorkshire, Durham,
Westmorland, Cumberland, and the lowlands of Scot-
land.—Dr. Jonathan Rogers Stokes observed it in
coppices about Ingleborough hill in Yorkshire, and
frequent on the side of water throughout Westmor-
land and Cumberland.

TROLLIUS europaeus. Krock. n. 888.

596. HELLEBORUS.

Calyx none. *Corolla* pentapetalous. *Nectaria* 5
and more, tubular, bilabiate. *Capsules* several.
Obs. 2651. *L.*

1. HELLEBORUS *involucratus.* Scapus with an in-
volucrum. *Obs.* 2652. In a garden.
H. hyemalis. L. sp. 783; *mant.* 408. *Hort. kew.*

ii. 272. *Curt. mag. t. 3. Krock. n. 892. Jacq. austr. t. 202.*

Eranthis hyemalis. Sal. R. in lin. tr. viii. 304.

Bulbosus unifolius aut bifolius batrachoides. Lob. adv. 300, cop. in

Bulbus parvus unifolius. Dalech. 1505, and repr. in

Aconitum hyemale. Besl. hort. hyem. fol. 5. Cam. epit. 828. Lob. ic. ii. 676. f. 2. Raii hist. 700; eur. 52, frequent about Bologna and throughout Lombardy.—Lob. obs. 385, repr. in ic. ii. 676. f. 1, and Ger. by Johns. 968; cop. in Park. theatr. 314, and abr. in par. 214, t. 219. f. 1; repr. from

Aconitum luteum minus. Dod. 437, & cop. in .

Aconitum Lycoctonum luteum minus. Dalech. 1742, &

Ranunculus cum flore in medio flore, radice tuberosa. Bauh. J. iii. 414. In the Euganean mountains in the Vicentine territory between Mount Gemula and Vida.

Aconitum aliud. Dalech. 1742.

Petals deciduous, 6, the 3 inner somewhat smaller, circumstances which seem to shew that this forms the link between the other species and Trollius. Obs. 2652. Feb. 9. 1792.

Native of Italy, Carniola, Austria, and Silesia.

ACONITUM *hyemale. Cam. hort. 5.*

2. **HELLEBORUS** *niger. Leaves pedate. Stem almost leafless. Obs. 2651. In a garden.—L. mant. 408; a Murr. 519; sp. 783. Hort. kew. ii. 272. Jacq. austr. t. 201. Curt. mag. t. 8; mat. med. t. 1. Host. 315. Scop. carn. n. 696. Woodv.*

i. 50. t. 18. *Raii eur.* 142. Near Pontieba in the Venetian territory,—*Lob. obs.* 388, repr. in *ic.* i. 681.

H. grandiflorus. *Sal. R. in lin. tr.* viii. 304.

Ellebornus niger legitimus. *Clus. hist.* i. 274, repr. in *Veratrum nigrum I.* *Dod.* 381, cop. in

Elleborus niger flore albo, interdum etiam valde rubente. *Bauh. J.* iii. 635, in woods; repr. in

H. niger verus. *Ger. by Johns.* 976, and cop. in *Park. theatr.* 212; par. 344. t. 343. f. 6. *Raii hist.* 697.

H. niger, flore roseo. *Boerh.* i. 297.

Elleborus niger II. *Dalech.* 1636.

Elleborum nigrum Matthioli flore purpureo. *Dalech.* 1634.

Folioles serrate, entire towards the base. *Petals* incumbent, white, green at the base on the inside and brownish reddish on the outside. *Nectaria* 14, tubular, pedicellate, yellowish green. *Capsules* univalve, unilocular, polyspermous. *Seeds* in 2 rows, fixed to the inner suture. *Obs.* 2651. 12 Feb.

Native of Italy, Carniola, Austria, and Silesia.

HELLEBORUS niger. Root. *Pharm. lond. & noviss. edin.*—*Alst.* 1. 456. *Berg.* 496. *Carth.* ii. 414. *Coste & Willem.* account from in *med. comment.* v. 298. *Cull.* ii. 538. *Dale* 176. *Heb.* 261. *Herm.* 135. *Hill* 559. *Home, F. clin.* 386. 387. *Krock. n.* 893. *Lew.* i. 489; disp. by *Dunc.* 232. *Linn.* 170. *Mead mon.* i. 96. 142. *Mill. Jos.* 226. *Monro* iii. 132. *Murr.* iii. 43; *J.* i. 269. 288; ii. 91. *Pears. R.* i. 200. 292. *Quar. anim.* 22. 26. 178. 189. 200. 244. *Richard*, account from in *med.*

comment. ii. 165. *Spielm.* 634. *Wintr. in Mead mon.* i. 204. 276.

Elleborus niger. *Rutty* 176. *Vog.* 194.

Helleborum nigrum. *Geoffr.* ii. 67.

H. niger, flore roseo. *Chom.* 32. *Schrod.* 761.

Helleborus. *Quar. anim.* 11.

Black Hellebore. *Cull. pr. n.* 1567. *Neum.* ii. 104.

Melampodium. *Denm.* i. 169. *Aitk.* 131.

BACHERS TONIC PILLS. *Ferr.* i. 60; ii. 143.

3. HELLEBORUS *viridiflorus.* Leaves pedate. Stem leafy. Floral leaves serrate. *Obs.* 6263. In a garden.

H. viridis. *L. sp.* 784; *mant.* 408. *Bot. arr.* 581. *Smith engl. t.* 200; *brit.* 598, on chalk.—*Jacq. austr. t.* 106. *Curt. lond. vi. t.* 34. Found by Mr. Rayer in a wood near Finchley.

H. niger, hortensis, flore viridi. *Raii hist.* 697; *eur.* 142; on the mountain of San Marino;—*syn.* 271. Bigwin closes near Cambridge.

Elleborus niger adulterinus hortensis. *Fuchs.* 277. *c.* 96, *cop. in*

Elleborus niger III. *Dalech.* 1637, &

Elleborus niger vulgaris, flore viridi vel herbaceo, radice diuturna. *Bauh. J.* iii. 636. In the Eugeanean mountains in the Venetian territory.

Elleborus niger III. *Dalech.* 1635.

Elleborus niger adulterinus. *Trag.* 405.

Veratrum nigrum II. *Dod.* 381, *repr. in*

Helleborastrum. *Lob. obs.* 387; *ic.* i. 680, and *Ger. by Johns.* 976, and *cop. in*

Helleboraster minor, flore viridante. *Park. theat.* 212.

H. niger, flore viridi. *Besl. hort. hyem. fol.* 2.

Stem about 1½ foot long. *Leaves* shining underneath. *Flowers* solitary, terminal, opposite to the leaves and axillary. *Petals* subrotundo-elliptic, with a glaucous bloom on the inner side, the 3 outer incumbent. *Pistils* 3. *Obs.* 6263.

Native of Italy, Germany, Kent, Sussex, Cambridgeshire, Worcestershire, and Yorkshire.

HELLEBORUS viridis. *Coste and Willem. in med. comment.* v. 298. *Krock. n.* 894. *Murr.* iii. 68. *Schoepf* 94.

H. hortensis, flore viridi. *Herm.* 136.

H. niger hortensis, flore viridi. *Geoffr.* ii. 71. *Schrod.* 761.

H. niger vulgaris, flore viridi. *Chom.* 33.

4. *HELLEBORUS orientalis.* *Stem* with many flowers. *Leaves* pedate, hirsute underneath. *L. a Willd.* ii. 1337, from a dried specimen.—*Lan.*

H. officinalis. *Sal. R. in lin. tr.* viii. 305.

H. niger. *Bellon.* 196. On Mount Olympus in Anatolia.

HELLEBORUS niger orientalis, amplissimo folio, caule praealto, flore purpurascente. *Tourn. cor.* 20.—*Geoffr.* ii. 71. 76.

Black Hellebore of the antients. *Tourn. voy.* ii. 358.

5. *HELLEBORUS foetidus.* *Leaves* pedate. *Stem* leafy. *Floral leaves* entire at the margin. *Obs.* 3436. *L. sp.* 784. *Huds.* 245. In woods between Gounsberry and Blackwell in Somersetshire.

—*Bot. arr.* 582. *Woodv.* i. 53. *t.* 19. *Smith brit.* 598, on chalk; *engl. t.* 613. *Gou. hort.* 268. Near Montpelier.—*Poll. n.* 540. *Roth germ.* i. 234. Near Frankfort on the Oder.

H. niger foetidus. *Tourn. paris.* 200. *Vaill. paris.* 97. *Boerh.* i. 296.

Elleborus niger adulterinus sylvestris. *Fuchs.* 277. *c.* 96, *cop. in Dalech.* 1637, &

Elleborus niger silvestris adulterinus, etiam hyeme virens. *Bauh. J.* iii. 880, in the neighbourhood of Lyons; *and abr. in*

Consiligo Ruellii. *Trag.* 251.

Veratrum nigrum III. (misprinted II.) *Dod.* 382, *repr. in*

Sesamoides magnum Cordi, et

Consiligo Ruellii. *Lob. obs.* 387; *ic.* i. 680, *repr. in*

Consiligo Ruellii, et Sesamoides magnum Cordi. *Ger. by Johns.* 976, in fruit.

Helleboraster maximus, flore et semine praegnans. *Lob. ic.* i. 679, *cop. in*

Helleboraster maximus, sive Consiligo. *Park, theatr.* 212, *and*

Elleboraster maximo flore, et semine praegnans. *Dalech.* 1638, & *repr. in*

Helleboraster maximus. *Ger. by Johns.* 976. *Besl. hort. hyem. fol.* 3. *Raii syn.* 271. In hedges about Cherry Hinton near Cambridge, and observed by James Sherard near Brundish in Suffolk, and by Dillenius on the downs near Chichester in Sussex.

H. maximus. *Raii hist.* 698. On the sides of the mountains on each side of the Rhine between Cologne and Mentz.

Native of France, the Palatinate, Brandenburgh, Sussex, Somersetshire, Gloucestershire, Oxfordshire, Northamptonshire, Cambridgeshire, Suffolk, and Norfolk.

HELLEBORUS foetidus. Pharm. lond. noviss.

Leaves.—edin.—Bart. 41. Berg. 497. Coste and Willem. in med. comment. v. 298. Lew. by Dunc.

232. Linn. 171. Pears. R. i. 201. Schoepf 94.

H. niger foetidus. Chom. 33. Geoffr. ii. 71.

Helleborastrum. Dale 177.

Helleboraster. Pharm. lond.—Lew. i. 485. Monro iii. 128. Murr. iii. 70.

Veratrum. Geoffr. suite iii. 274.

Bearsfoot. Bisset ess. 195.

597. CALTHA.

Calyx none. Petals 5 to 7. Nectaria none. Capsules 4 to 17, polyspermous. Obs. 81. L.

1. *CALTHA palustris. Leaves cordato-reniform. Stem erect. Obs. 81. In wet ground.—L. sp. 784. Bot. arr. 583. Curt. lond. i. 40. t. Forst. T. in lin. tr. viii. 323. Walc. t. Fl. dan. t. 668. Smith brit. 599; engl. t. 506.*

Caltha. L. lapp. n. 227. Gron. virg. 87.

C. palustris simplici flore. Besl. hort. hyem. fol. 4.

C. Populago. Gou. hort. 268. Near Montpelier.

Populago flore majore. Tourn. paris. 295. Vaill. paris. 163. Boerh. i. 298. In Holland.

Populago. Dill. ap. Raii syn. 272.

C. Vergilii. *Trag.* 142, repr. in
Chelidonia palustris. *Cord. fol.* 122. p. 1, and cop.
in

C. palustris. *Dalech.* 1049. *Bauh. J.* iii. 470.
Raii hist. 700; *syn.* ed. ii. 154. *Dod.* 588, repr.
in *Lob. obs.* 323; *ic.* i. 594, and

C. palustris major. *Ger. by Johns.* 817.

C. palustris vulgaris simplex. *Park. theatr.* 1213.
Petals dull. *Obs.* 81.

Native of Europe from the south to Lapland.

CALTHA palustris. *Bry.* 147. *Krock n.* 895.

C. palustris, flore simplici. *Rupp. ab Hall.* 132.

Populago. *Dale* 177.

♀ *acutifolia.* Leaves cordate, acute. *Obs.* 8747.
Specimen gathered by Dr. Cutler in New Eng-
land.

CALTHA. *Cutl.* 459.

598. HYDRASTIS.

Calyx none. *Petals* 3. *Nectaria* none. *Berry*
composed of monospermous acini. *L.*

1. *HYDRASTIS canadensis.* *L. sp.* 784; *mant.* 408.
Hort. kew. ii. 273.

Warneria. *Mill. Ph. ic.* 190. t. 285.

HYDRASTIS canadensis. *Bart. 8. Coxe* 373.

Class 14.

DIDYNAMIA.

Order 1.

GYMNOSPERMIA.

1. *Calyces quinquesfid.*

600. TEUCRIUM. *Corolla*, upper lip bipartite; segments distant. *Obs.* 4040.

619. MARRUBIUM. *Corolla*, upper lip bifid. *Calyx* decemcostate, quinque-dentate and decemdentate. *Obs.* 360.

602. HYSSOPUS. *Corolla*, upper lip straight, semibifid. *Stamina* distant. *Obs.* 5259.

615. HYPTIS. *Corolla*, upper lip semibifid. *Antherae* pendent.

614. BYSTROPOGON. *Corolla*, upper lip bifid. *Calyx*, mouth bearded with bristles. *Obs.* 3051.

616. ORIGANUM. *Corolla*, upper lip semibifid. *Calyx*, throat closed by a circle of bristles. *Obs.* 3370.

607. GLECHOMA. *Corolla*, upper lip erect, semi-bifid. *Antherae* approaching in form of a cross. *Obs.* 5532.
605. SIDERITIS. *Corolla*, upper lip erect, semi-bifid. *Stigmata*, the shorter sheathing the other. *Obs.* 5505.
603. NEPETA. *Corolla*, upper lip emarginate; lower lip, middlemost segment crenate. *Obs.* 311.
599. AJUGA. *Corolla*, upper lip shorter than the stamina, emarginate. *Obs.* 2816.
601. SATUREIA. *Corolla*, upper lip erect, emarginate. *Stamina* remote. *Obs.* 2983.
606. MENTHA. *Corolla* quadrifid; segments nearly equal. *Stamina* distant.
611. BETONICA. *Corolla*, upper lip entire, slightly vaulted. *Stamina* scarcely extending beyond the throat. *Obs.* 3986.
613. BALLOTA. *Corolla*, upper lip slightly vaulted, crenate. *Calyx* decemcostate. *Obs.* 4013.
608. DRACOCEPHALUM. *Corolla*, upper lip vaulted; throat inflated. *Obs.* 193.
610. GALEOBDOLOM. *Corolla*, upper lip vaulted; lower lip tripartite; segments acuminate. *Obs.* 5740.

612. STACHYS. *Corolla*, upper lip vaulted; lower lip trifid; lateral segments deflex. *Stamina* after shedding their pollen bent sideways. *Obs.* 3876.
609. LAMIUM. *Corolla*, upper lip vaulted; lower lip tripartite; lateral segments very short, dentate; middlemost segment bifid. *Obs.* 5665.
620. PHLOMIS. *Corolla*, upper lip vaulted; lower lip trifid; middlemost segment bilobate. *Obs.* 3871.

2. *Calyces bilabiate.* L.

629. SCUTELLARIA. *Calyx*, lips entire, the upper calcarate. *Obs.* 562.
625. OCIMUM. *Calyx*, upper lip orbicular.
627. PLECTRANTHUS. *Calyx*, upper lip ovate. *Corolla* resupinate, calcarate and gibbous at the base. *Obs.* 2959.
628. SCORODONIA. *Calyx*, upper lip entire; lower lip semiquadrifid. *Obs.* 538.
604. LAVANDULA. *Calyx*, lips entire dentate and cloven. *Corolla*, upper lip longer than the lower, flat.
630. BRUNELLA. *Filaments* bifid at the end, one of the branches bearing an anthera. *Obs.* 5313.
623. MOLDAVICA. *Calyx*, upper lip trifid; lower lip bipartite. *Corolla*, throat inflated. *Obs.* 509.

624. MELITTIS.

Calyx, upper lip semitrifid and semibifid; lower lip bifid. *Corolla*, lower lip trifid, middlemost segment crenate. *Obs.* 6305.

622. MELISSA.

Calyx, upper lip trifid; lower lip bifid; throat pilose. *Corolla*, lower lip trifid; middlemost segment emarginate. *Obs.* 5860.

621. THYMUS.

Calyx, upper lip semitrifid; lower lip bifid; throat pilose. *Corolla*, lower lip trifid; segments entire. *Obs.* 4755.

617. AMARACUS.

Calyx, upper lip semitrifid; lower lip bifid. *Corolla*, upper lip semibifid; lower lip trifid. *Obs.* 5131.

618. MAJORANA.

Calyx, upper lip entire and emarginate; lower lip obsoletely bidentate. *Corolla*, upper lip emarginate; lower lip trifid. *Obs.* 7516.

626. COLEUS.

Calyx, upper lip quadrifid. *Filaments* united into a tube, sheathing the style. *From Lour.*

Order 2.

ANGIOSPERMIA.

1. *Calyces undivided.* L. a Willd.

642. TANAECIUM. *Berry corticose. Corolla tubular; segments nearly equal. Calyx tubular, truncate. L. a Willd.*

2. *Calyces bifid.* L.

648. OROBANCHE. *Capsule bilocular. Corolla, upper lip emarginate and bifid; lower lip trifid. Nectarium surrounding the base of the germen. Obs. 2561.*
641. CRESCENTIA. *Berry unilocular. Corolla with a campanulate tube. Germen pedunculate. Seeds bilocular. L.*
643. PREMNA. *Drupe monospermous. Nut quadrilocular. Corolla quadrifid; segments unequal. L. a Willd.*

3. *Calyces quadrifid.* L.

633. LATHRAEA. *Capsule unilocular. Corolla ringent. Nectarium at the*

- base of the germen. *Obs.* 4557.
652. *BARLERIA*. *Capsule* bilocular, opening elastically. *Corolla* infundibuliform; segments nearly equal. *Obs.* 5605.
632. *EUPHRASIA*. *Capsule* bilocular. *Corolla* ringent. *Antherae* cuspidate. *Obs.* 5150.
631. *RHINANTHUS*. *Capsule* bilocular, compressed. *Corolla* ringent. *L.*
644. *LANTANA*. *Drupe*. *Nut* trilocular. *Corolla* hypocrateriform; segments nearly equal. *Stigma* oblique. *Obs.* 6848.
642. *GMELINA*. *Drupe*. *Nut* trilocular. *Corolla* bilabiate. *Antherae*, 2 bipartite, 2 undivided.

4. *Calyces quinquefid.* *L.*

656. *AVICENNIA*. *Capsule* unilocular, monospermous. *Corolla* bilabiate; upper lip square.
645. *CAPRARIA*. *Capsule* bilocular. *Corolla* campanulate; segments nearly equal. *Stigma* cordate, bivalve.
651. *RUELLIA*. *Capsule* bilocular. *Corolla* campanulate, irregular. *Stamina* approximating in pairs.
649. *DICEROS*. *Capsule* bilocular. *Corolla* campanulate; segments ob-

cordate. *Antherae* with divaricate lobes. *Lour.*

650. SESAMUM. *Capsule* bilocular. *Corolla* campanulate; segments unequal. *Stamina* 4, with the rudiment of a fifth. *L.*
647. STEMODIA. *Capsule* bilocular. *Corolla* subbilabiate. *Filaments* supporting 2 *antherae*.
639. BIGNONIA. *Capsule* bilocular, fusiform. *Corolla* tubuloso-campanulate; segments unequal. *Seeds* bordered and woolly.
637. SCROPHULARIA. *Capsule* bilocular. *Corolla* bilabiate; tube globular; upper lip erect, bipartite; lower lip tripartite. *Obs.* 4008.
634. PEDICULARIS. *Capsule* bilocular. *Corolla* bilabiate; upper lip vaulted, compressed. *Nectarium* at the base of the germen. *Obs.* 4877.
635. ANTIRRHINUM. *Capsule* bilocular. *Corolla* bilabiate, calcarate and gibbous at the base; throat closed. *Obs.* 557.
657. COLUMNEA. *Capsule* bilocular. *Corolla* ringent, gibbose above the base. *Antherae* connected. *L.*
636. MARTYNIA. *Capsule* quadrilocular, lignose. *Corolla* campanulate. *From L.*

654. CLERODENDRUM. *Berry* tetraspermous. *Corolla* infundibuliform; upper segments more deeply separated.
655. VITEX. *Berry* quadrilocular; cells monospermous. *Corolla* bilabiate; lips trifid.
640. CITHAREXYLUM. *Drupe* unilocular, dispermous. *Nuts* bilocular. *Corolla* infundibuliform; segments nearly equal.
658. ACANTHUS. *Capsule* bilocular. *Corolla* unilabiate, trifid. *Antherae* villose. *L.*
653. VOLKAMERIA. *Drupe* bilocular; cells monospermous. *Nuts* bilocular. *Corolla* hypocrateriform; segments nearly equal. *Obs.* 5134.

5. *Calyces tetraphyllous.*

659. PICRIA. *Berry* bilocular. *Corolla* bilabiate. *From* *Lour.*

6. *Calyces pentaphyllous.*

638. DIGITALIS. *Capsule* bilocular. *Corolla* tubuloso-campanulate; segments unequal. *Stamina* declinate. *Obs.* 4127.

7. *Flowers superior.*

646. LINNÆA. *Berry trilocular, dry. Corolla campanulate. L.*

GYMNOSPERMIA.

599. AJUGA.

Calyx quinquefid. *Corolla*, upper lip erect, shorter than the stamina, emarginate; lower lip trifid; middlemost segment obcordate. *Obs.* 2816. *L.*

1. AJUGA *reptans*. Stems with creeping shoots at the base. *Obs.* 2816. In meadows.—*L. a* Murr. 525; *sp.* 785. *Bot. arr.* 589. *Curt. lond.* ii. 43. *t. Smith brit.* 604; *engl. t.* 489. *Host* 316. *Gou. hort.* 269. Near Montpelier.—*Roth germ.* i. 251. *Poll. n.* 543. *Reich. franc. n.* 384. *Willd. ber. n.* 596. *Walc. t. Lightf.* 302. *Retz. scand. n.* 706. In Denmark.—*Fl. dan. t.* 925.

Bugula. Riv. mon. t. 75. *f.* 1. *Raii hist.* 575; *syn.* 245. *Tourn. paris.* 321. *Vaill. paris.* 23. *Boerh. i.* 184. *Lob. adv.* 252. No fig.—(*Dod.* 135, *repr. in Lob. obs.* 252; *ic. i.* 475, and *Ger. by John.* 631, and *cop. in*

Common Bugle. *Pet. herb. t.* 34. *f.* 3, is *A. pyramidalis*.)

Consolida media. *Cam. epit.* 702. *Fuchs.* 387, c. 148, *init. in*

Prunella germanis. *Trag.* 311, & *cop. in*

Consolida media, quibusdam *Bugula*. *Bauh. J.* iii. 430. *f.* 1,—but the leaves more distinctly serrate than in my specimens;—*f.* 2 a good representation of it.

Stem villose. *Obs.* 2816.

Native of Europe, from the south of France to Denmark and Scotland.

BUGULA. *Chom.* 561. *Dale* 156. *Geoffr.* iii. 229. *Lew.* i. 242. *Mill.* *Jos.* 96. *Rutty* 75. *Spiclm.* 202. *Vog.* 95. α

A. reptans. *Murr.* ii. 123.

Consolida media. *Schrod.* 570.

2. **AJUGA** *trifidifolia*. Leaves trifid. *Obs.* 4649. Specimen raised from seeds gathered by Mr. Ordoyno on Lincoln heath.

A. Chamaepitys. *L. a Willd.* iii. 10. *Smith engl. t.* 77; *brit.* 605. *Roth germ.* i. 252.

Bugula Chamaepitys. *Scop. carn. n.* 718.

Teucrium Chamaepitys. *L. sp.* 787. *Bot. arr.* 590. *Fl. dan. t.* 733. *Gou. hort.* 270. Near Montpelier.

Chamaepithys lutea vulgaris. *Tourn. paris.* 326. *Vaill. paris.* 35.

Chamaepitys lutea vulgaris, sive folio trifido. *Boerh.* i. 183.

Chamaepitys. *Riv. mon. t.* 14.

Chamaepitys prima. *Dod.* 46, *repr. in* *Aiuga.* *Lob. obs.* 207; *ic.* i. 382, and

Chamaepitys mas. *Ger. by Johns.* 525.

Chamaepitys prior. *Dalech.* 1159.

Chamaepitys tertia. *Trag.* 80. *Fuchs.* 840. c. 340,
cop. in

Chamaepitys vulgaris odorata, flore luteo. *Bauh. J.*
iii. 295. f. 1;—f. 2.

Chamaepitys vulgaris. *Park. theatr.* 283.

*Native of Europe from the south to Denmark, and
of the eastern side of England from Kent to Lincoln-*
shire.

CHAMAEPITHYS. *Pharm. austriaco-prov.* 28.
succ.—*Alst.* ii. 111. *Carth.* iv. 168. *Heb.* 51.
Lew. i. 326; *disp. by Rother.* 136; *by Dunc.* 348.
Linn. 172. *Monro* iii. 60. *Murr.* ii. 121. *Quar.*
anim. 291. *Schoepf* 95. *Schrod.* 561. *Stoll med.*
i. 140. *Vog.* 59.

Chamaepitys. *Berg.* 500. *Dale* 156. *Herm.* 496.
Mill. Jos. 131. *Spielm.* 209.

Chamaepithys lutea vulgaris. *Geoffr.* iii. 306.

Chamaepithys lutea vulgaris, sive folio trifido. *Chom.*
688. *Rutty* 120.

3. *AJUGA Iva*. Leaves linear, dentate towards the
end. Flowers axillary, solitary. *L. a Willd.* iii.
11. *Schreb.*

Teucrium Iva. *L. sp.* 787. *Gou. hort.* 271. Near
Montpelier.

Teucrium moschatum. *Sal. R. hort.* 76.

Chamaepitys moschata, foliis serratis. *Boerh.* i.
183.

Anthyllis altera. *Clus. hisp.* 482, repr. in *hist.* ii.
186, &

Iva moschata monspeliaca. *Ger. by Johns.* 525,
cop. in

Anthyllis altera herbariorum. *Park. theatr.* 281,
and

Chamaepitys, sive *Iva moschata monspeliensium*.

Bauh. J. iii. l. 296, and repr. in

Anthyllis Chamaepityides minor. *Lob. obs.* 208, &
ic. i. 384, inner fig.;—outer fig. repr. from

Iva moschata monspelii. *Lob. adv.* 164.

Anthyllis II herbariorum. *Dalech.* 1149.

CHAMAEPITYS *moschata*. *Geoffr.* iii. 307.

Chamaepithys altera. *Dale* 156.

Chamaepithys moschata, foliis serratis. *Chom.* 688.

600. TEUCRIUM.

Calyx quinquefid. *Corolla*, upper lip bipartite; segments distant. *Obs.* 4040. *L.*

1. *TEUCRIUM creticum*. Leaves lanceolato-linear, entire at the margin. Flowers racemose, in threes.
L. a Murr. 526; *sp.* 788 *Gou. hort.* 272.

T. foliis lanceolato-linearibus integerrimis subsessilibus, floribus solitariis pedunculatis. *L. ups.* 159.

T. calice campanulato, stoechados facie. *Boerh.* i. 181.

Rosmarinum stoechados facie. *Alp. exot.* 103. *t.* 102, *cop. in. Hist. ox. s.* 11. *t.* 16. *row* 1. *f.* 3.

Polium angustifolium creticum. *Park. theatr.* 26.

POLIUM creticum. *Berg.* 502. *Dale* 145. *Linn.* 173. *Mill. Jos.* 353. *Murr.* ii. 112. *Spielm.* 289. *Vog.* 135.

Polium angustifolium creticum. *Lew.* ii. 239. *Rutty* 402.

2. *TEUCRIUM Marum*. Leaves entire at the margin, ovato-deltoid, acute, tomentose underneath. Flowers

solitary. Calyces semiquinquefid, hirsute. *Obs.* 6071. In a garden.—*L. sp.* 788; *mant.* 409. *H. K.* ii. 276. *Woodv.* i. 153. *t.* 56.

Marum syriacum, vel *creticum*. *Boerh.* i. 182.

Tragoriganum alterum. *Lob. ic.* i. 493, repr. in *Tragoriganum Lobelii*. *Ger. by Johns.* 668, and *cop. in*

Tragoriganum latifolium, sive *Marum Cortusi Matthioli*. *Park. theatr.* 17.

Marum Cortusi. *Bauh. J.* iii. 242.

Marum Matthioli. *Dalech.* 884.

MARUM. *Pharm. suec.*—*Chom.* 390. *Lew.* ii. 91. *Ploucq. bibl.* i. 202. *Schrod.* 621.

T. Marum. *Cull.* ii. 154. *Pears. R.* i. 113.

Marum verum. *Pharm. austriaco-prov.* 48.—*Berg.* 502. *Carth.* ii. 281. *Geoffr.* iii. 821. *Linn.* 173. *Murr.* ii. 107. *Vog.* 67.

Marum Cortusi. *Rutty* 311.

Marum syriacum. *Alst.* ii. 173. *Dale* 145. *Lew. disp. by Dunc.* 317. *Mill. Jos.* 286. *Monro* iii. 166.

3. *TEUCRIUM Thea*. Leaves ovato-lanceolate. Stem procumbent. Peduncles axillary, triflorous. *Lour.* ii. 440.

4. *TEUCRIUM Scordium*. Leaves oblong, sessile, crenato-serrate. Flowers axillary. *Obs.* 7567. In Mr. Knowlton's garden.—*L. a Murr.* 527; *sp.* 790. *Fl. dan. t.* 593. *Huds.* 247. *Bot. arr.* 591. *Sibth. ox.* 180. *Woodv.* i. 156. *t.* 57. *Smith engl. t.* 828.

Chamaedrys palustris canescens, seu *Scordium officinarum*. *Tourn. paris.* 414. *Vaill. paris.* 33.

Scordium. *Riv. mon. irr. t. 11. Cam. epit. 588. Fuchs. 776. cd. fol. cop. in 735, c. 298, and Bauh. J. iii. b. 292. Raii syn. 246.* In marshes in the isle of Ely.—*Dod. 126, repr. in Ger. by Johns. 661, and Lob. obs. 261, cop. in*

Scordium legitimum. Park. theatr. 111, and repr. in

Scordium, sive Trixago palustris. Lob. ic. i. 497.

Scordion. Trag. 885.

Scent of the *plant* resembling that of hops. Branches terminated by leaves not leafy racemi as in *T. Chamaedrys*, quadrangular, hirsute. *Calyx* semiquinquefid, hirsute; segments equal, triangular. *Corolla* twice as long as the calyx; segments of the upper lip erect, ensiformi-triangular; lower lip tripartite; lateral segments ensiformi-triangular, acute, patulous, somewhat longer than the upper lip; middlemost segment oblong, thrice as long as the lateral ones. *Obs. 7567.*

SCORDIUM. Water Germander. *Herb. Pharm. lond.—Alst. ii. 105. Berg. 504. Carth. ii. 335. Chom. 278; suppl. 91. Cull. ii. 82. Dale 156. Geoffr. suite ii. 422. Herm. 531. Hill 368. Lew. ii. 355; disp. by Rother. 240; by Dunc. 318. Linn. 173. Mill. Jos. 402. Monro iii. 256. Murr. ii. 114. Neum. ii. 220. Quar. febr. 146. 240. 308. Ruttj 473. Schrod. 677. Spielm. 226. Vog. 82. Wintr. in Mead mon. i. 230.*

5. **TEUCRIUM** *Chamaedrys*. Leaves cuneiformi-elliptic, inciso-serrate, hirsute. Racemi leafy. *Obs. 7565.* In a garden.—*Smith brit. 607; engl. t. 680. L. sp. 790; a Murr. 527. Huds. 247, who justly marks it as a dubious native.—Bot.*

arr. 592. *Woodv.* iv. 82. *t.* 243, from a cultivated plant.

CHAMAEDRYIS. *Pharm. austriaco-prov.* 28. *suec.*—*Alst.* ii. 105. *Berg.* 506. *Carth.* iv. 165. *Heb.* 51. *Herm.* 509. *Lew. disp. by Dunc.* 348. *Linn.* 174. *Monro* iii. 57. *Quar. anim.* 277. 292. *Schrod.* 561. *Spielm.* 206. *Vog.* 59.

α *majus*. Larger in all respects than β . Corolla palish purple. From *Clus.*—*L.* α .

Chamaedrys major. *Clus. pann.* 610; *hist.* i. 351. No fig.—*Raii hist.* 527; *eur.* 92. In mountainous situations between Vienna and Venice.

Chamaedrys major repens. *Magn. hort.* 52. *Boerh.* i. 182. In Holland.—*Dod.* 43, repr. in

Chamaedrys. *Lob. obs.* 260; *ic.* i. 491, &

Chamaedrys major latifolia. *Ger. by Johns.* 656, & *cop. in*

Chamaedrys vulgaris. *Park. theatr.* 104, has scarcely any resemblance of the plant.—*Riv. mon. t.* 10.

Stems slightly ascending, 14 inches long, obsoletely tetragonous. *Obs.* 4040. In the area of Carisbrook castle in the isle of Wight.

β *minus*. Smaller in all respects than α . Corolla deeper purple. From *Clus.*—*L.* β

Chamaedrys minor. *Clus. pann.* 610. No fig.—*hist.* i. 351. No fig.

Chamaedrys vulgaris. *Raii hist.* 527. Found more than once in England, but doubtful whether native; *eur.* 92. In Italy, Germany, and France.

Chamaedrys vulgaris seu sativa. *Raii syn.* 231. On the borders of fields, but though at a considerable distance from any house, I dare not assert that they grew there spontaneously.—Found by James Sherard on the ruins of Winchelsea castle.

Chamaedrys minor repens. *Tourn. paris.* 69. *Vaill. paris.* 33.

Chamaedrys vera mas. *Fuchs.* 825; c. 334. *cop. in*

Chamaedrys vulgo vera existimata. *Bauh. J.* iii. b. 288. *Magn. monsp.* 58. Sometimes glabrous.

Chamaedrys repens minor. *Dod.* 43, *repr. in*

Chamaedrys major. *Lob. ic.* i. 491,

Chamaedrys vulgaris sive II. *Clus. hist.* i. 351, *and*

Chamaedrys minor. *Ger. by Johns.* 656, *and abr. in*

Chamaedrys. *Park. par.* 456. *t.* 457. *f.* 5, has still less resemblance to the plant.—*Cord. fol.* 126. *p.* 1, *repr. from*

Chamaedrys vera. *Trag.* 204.

Stems slightly ascending, obsoletely tetragonous, hirsute, 9 inches long. *Leaves* attenuate at the base; of a scent somewhat similar to that of *T. Marum*, the under surface with numerous minute globules; margin revolute, the lower half entire. *Bracteae*, the lower cuneiformi-elliptic, the upper elliptic and entire at the margin. *Flowers* 6 in a whirl. *Calyx* quinquefid; segments pubescent and white at the margin, the uppermost patulous, somewhat broader, the rest erect, the 2 lowermost narrower. *Obs.* 7565.

CHAMAEDRYS. *Dale* 145. *Geoffr.* iii. 296.

Mill. Jos. 129. *Murr.* ii. 119. *Rutty* 116. *Stoll med.* i. 140.

Chamaedrys minor repens. *Chom.* 462.

6. *TEUCRIUM flavum.* *Leaves* cordato-ovate ovate and obovate, crenate and nearly entire at the margin,

villose. Floral leaves ovate, mostly entire at the margin. Flowers in threes. Stem shrubby. *Obs.* 4041. Specimen gathered by M. Broussonett, probably at Montpellier.—*L. sp.* 791. *H. K.* ii. 280. *Gou. hort.* 273. Near Montpellier.

T. calice tubulato, flore pallide luteolo. Boerh. i. 181.

Chamaedrys assurgens. Dod. 44, repr. in

T. vulgare fruticans, sive I. Clus. hist. i. 348, and

T. latifolium. Ger. by Johns. 658, and cop. in

T. majus vulgare. Park. theatr. 109.

Chamaedrys fruticosior, flore ochroleuco. Hist. ox. s. 11. t. 22. f. 1.

T. multis. Bauh. J. iii. b. 290. f. 2.—f. 1, and

T. alterum. Dalech. 1166, cop. from

TEUCRIUM. Fuchs. fol. ed. 829, cop. in 787. c. 321.—*Dale* 145. *Schrod.* 691.

7. *TEUCRIUM revolutum.* Leaves lanceolate and lineari-lanceolate, tomentose underneath; margin entire, revolute. *Obs.* 3456. Specimen gathered in France, very slightly aromatic.

T. montanum. L. sp. 791. *Gou. hort.* 270. Near Montpellier.—*Hort. kew.* ii. 280.

* *villosulum.* Leaves villosulose on the upper surface. *Obs.* 3456.

Polium lavandulae folio. Tourn. paris. 518. *Vaill. paris.* 160. *Boerh. i.* 183.

Symphytum petraeum Matthioli. Dalech. 1174.

Polium majus. Cord. fol. 125. p. 1.

Polium lavendulae folio. Lob. obs. 258, repr. in

Polium recentiorum femina, lavendulae folio. Lob. ic. i. 488,

Polium VII cum flore. *Clus. hist.* i. 363, and
Polium lavandulac folio, flore albo. *Ger. by Johns.*
 655, and *cop. in*

Polium montanum, *lavendulac folio*. *Park. theatr.*
 25.

Another fig. of the lavender leaved Poley. *Ger. by*
Johns. 655. No fructifications.

POLIUM montanum. *Murr.* ii. 113.

Polium alterum. *Dale* 144.

Polium lavendulac folio. *Tourn.* ii. 222.

8. *TEUCRIUM Polium*. Spikes roundish and oblong.
 Leaves oblong, obtuse, obtusely serrate, sessile, to-
 mentose. *Obs.* 8256. Specimen gathered in the
 Vienna garden.—*L. a Murr.* 528; *sp.* 792 α .
Gou. hort. 271 α . Near Montpelier.

T. aureum β . *L. a Willd.* ii. 34.

T. verum. *Besl. hort. aest. ord.* 7. *fol.* 11.

Polium montanum luteum. *Raii hist.* 525. *Magn.*
monsp. 207. *Boerh.* i. 183. *Ger. by Johns.* 653,
repr. from

Polium. *Dod.* 282, which *repr. in*

Polium montanum III. *Clus. hist.* i. 361, *cop. in*

Polium montanum luteum. *Hist. ox. s.* 11. *t.* 2.
row 1. f. 1, Barrel. t. 1082, &

Polium montanum vulgare. *Park. theatr.* 24, and
repr. in

POLIUM luteum. *Lob. obs.* 257, and *ic.* i. 487.
 —*Geoffr. suite* ii. 26.

Polium montanum. *Dale* 144. *n.* 2. *Spieln.* 289.

Polium. *Alst.* ii. 202. *Herm.* 477.

Polium montanum luteum. *Chom.* 367. *Tourn.* ii.
 222.

9. **TEUCRIUM** *Teuthrion*.—Heads roundish, on short peduncles. Leaves lanceolate, crenate, tomentose, hoary. Stem decumbent. *Willd.*—*Schreb.*

T. Polium. *L. a Willd.* iii. 36; *sp.* 792 β . *Hort. kew.* ii. 281 α

Polium montanum album. *Raii hist.* 524. *Ger. by Johns.* 653, repr. from

Polium tenuius. *Dod.* 282, which repr. in

Polium montanum I. *Clus. hist.* i. 361,

Polium montanum. *Lob. obs.* 257, & *ic.* i. 486, and *cop. in*

Polium montanum minus. *Park. theatr.* 24.

POLIUM album. *Geoffr. suite* ii. 28.

Polium montanum album. *Chom.* 367. *Monro* iii. 224. *Tourn.* ii. 222.

Polium montanum. *Dale* 144. *n.* 1. *Murr.* ii. 112.

10. **TEUCRIUM** *capitatum*. Heads pedunculate. Leaves lanceolate, crenate, tomentose. Stem erect. *L. sp.* 792. *Hort. kew.* ii. 291.

T. Polium β . *Gou. hort.* 270. Near Montpellier.

T. seu Polium maritimum erectum monspeliacum. *All. nic.* 42.

Polium montanum album. *Raii eur.* 206.

Polium monspessulanum. *Bauh. J.* iii. b. 299. On the seashore near Montpellier.

POLIUM maritimum erectum mospeliacum. *Magn. monsp.* 207. *Raii hist.* 524. In Italy and the south of France, near the sea.—*Lew.* ii. 239. *Rutty* 402. *Tourn.* ii. 222.

Polium montanum. *Dale* 144. *n.* 4. *Mill. Jos.* 352. *Murr.* ii. 113.

601. SATUREIA.

Calyx semiquinquesid. *Corolla*, upper lip erect, emarginate; lower lip tripartite; segments nearly equal.
Obs. 2983. *L.*

Scarcely distinct from *Thymus*.

1. SATUREIA *capitata*. Flowers spicate. Leaves carinate, punctate, ciliate. *L. sp.* 795. *Hort. kew.* ii. 282.

Thymus capitatus, qui *Dioscoridis*. *Boerh.* i. 155.

Raii hist. 519; *eur.* 219. Near Syracuse.

Thymum cephaloton. *Dod.* 275, *repr. in*

Thymum legitimum. *Clus. hist.* i. 357,

Thymum. *Lob. obs.* 231; *ic.* i. 424, &

Thymum creticum. *Ger. by Johns.* 574.

Thymum legitimum capitatum. *Park. theatr.* 7.

Thymum creticum incanum capitatum. *Barrel. t.* 897.

THYMUS creticus. *Berg.* 508. *Linn.* 175.

Thymum creticum. *Geoffr. suite* iii. 185.

Thymum verum. *Dale* 142.

Thymus capitatus, qui *Dioscoridis*. *Chom.* 374.

Rutty 516.

2. SATUREIA *Thymbra*. Flowers verticillate, hispid. Leaves oblong, acute. *L. a Murr.* 528; *sp.* 794. *Hort. kew.* ii. 281.

S. cretica, foliis rigido brevi crasso. *Boerh.* i. 161.

Thymum creticum Ponae verticillatum. *Barrel. t.* 898.

Thymbra legitima. *Clus. hist.* i. 358, *cop. in*

Thymbra, sive *S. cretica legitima*. *Park. theatr.* 5,
and repr. in

SATUREIA cretica. *Ger. by Johns.* 576.—*Chom.*
387.

Thymbra vera. *Dale* 142.

3. *SATUREIA virgata*. Panicles pedunculate, axillary, dichotomous, fastigiate. Leaves lineari-lanceolate, revolute at the margin. *Obs.* 3078. In Mr. Hunter's nursery.

S. juliana. *L. sp.* 793. *Mill. Ph. dict. n.* 6. *Hort. kew.* ii. 281.

S. sive Thymbra vera Sancti Juliani. *Lob. adv.* 181,
repr. in

Thymbra Sancti Juliani, sive *S. vera*. *Lob. ic.* i.
425, cop. in

S. spicata Sancti Juliani. *Park. theatr.* 5,

S. foliis tenuibus, sive tenuifolia Sancti Juliani quorundam *Bauh. J.* iii. b. 273,

Thymbra vera *Penae*. *Dalech.* 897, &

S. perennis, verticillis spicatim & densius dispositis.
Hist. ox. iii. s. 11. t. 17. row 4. f. 4, and repr.
in

S. Sancti Juliani. *Ger. by Johns.* 576. *Raii hist.*
518. On the hills about Messina, and on the walls
of Florence.

Stems ascending, 16 inches long, with a few short branches at the base; the flowering part 10 inches long, straight. *Panicles* opposite, about as long as the leaves. *Pedicles* short. *Calyx* cylindrical, with about 12 ribs; segments subulate, erect. *Corolla* bilabiate; upper lip bifid; segments rounded; lower lip half as long again as the upper; lateral segments

oblong, middlemost cuneiformi-subrotund. *Obs.* 3078.

SATUREIA spicata. *Dale* 142.

S. seu *Thymbra* vera. *Geoffr. suite* ii. 380.

4. *SATUREIA brachiata*. Panicles pedunculate, axillary. Leaves linear-lanceolate, rather obtuse, punctate. Stem brachiate, fastigiate. *Obs.* 2983. In a garden.

S. hortensis. *L. sp.* 795. *Hort. kew.* ii. 282. *Gou. hort.* 273. About Montpellier.—*Raii hist.* 518. *Ger. by Johns.* 575, repr. from *Lob. ic.* i. 426, which repr. in

Satureia. *Lob. obs.* 232, and *Dod.* 288. *Trag.* 45, repr. in *Cord. fol.* 146. p. 1, cop. from

S. sativa. *Fuchs.* 301, which cop. in *Bauh. J.* iii. b. 272.

S. vulgaris hortensis Matthioli. *Dalech.* 898.

S. altera. *Cam. epit.* 487.

Calyx with 10 costae; segments triangular, rather obtuse, with hairs on the inner side and along the margin. *Obs.* 2983.

SATUREIA. *Pharm. austriaco-prov.* 65. *succ.*—*Alst.* ii. 219. *Berg.* 507. *Carth.* iii. 135. *Dale* 142. *Geoffr. suite* ii. 376. *Herm.* 456. *Lew.* ii. 344; disp. by *Rother.* 237. *Linn.* 174. *Mill. Jos.* 395. *Murr.* ii. 145. *Rutty* 466. *Schrod.* 674. *Spielm.* 296. *Vog.* 81.

S. hortensis. *Bry.* 143.

S. hortensis, sive *Cunila sativa* Plinii. *Chom.* 387; suppl. 121.

5. *SATUREIA mucronifolia*. Panicles pedunculate, axillary, dichotomous, fastigiate. Leaves lanceo-

late, mucronate, punctate. Segments of the calyx mucronate. *Obs.* 2982. In a garden.

S. montana. *L. sp.* 794; *manl.* 410. *Hort kew.* ii. 282. *Scop. carn. n.* 738. *t.* 30. *Gou. hort.* 273. About Montpelier.

S. pedunculis dichotomis. *L. ups.* 161. *Roy.* 324.

S. montana durior, flore in pediculis ramosis ex alis foliorum. *Boerh.* i. 161.

S. montana flosculis candidis. *Magn. monsp.* 230.

S. hortensis. *Lob. obs.* 232, *repr. in*

S. sive Thymbra altera. *Lob. ic.* i. 426, &

S. hortensis aestiva. *Ger. by Johns.* 575.

S. durior. *Bauh. J.* iii. b. 272. (The fig. is that of some other plant.)—*Raii hist.* 518. In the south of France and in the bed of a torrent near Radicofani in Tuscany.—*Dalech.* 897.

Thymbra. *Dod.* 287, *cop. in*

Thymbrae effigies Dodonaci. *Dalech.* 898.

Saxifraga secunda. *Cam. epit.* 717. *B.*

Leaves carinate, ciliate at the base. *Panicles* disposed in terminal leafy racemi. *Calyx* slightly bilabiate, with 10 costae; upper lip trifid; lower lip bipartite; segments subulate, acute, with erect hairs at the base on the inner side and at the commissures, in all which respects it accords with *Thymus*. *Seeds* sometimes 2. *Obs.* 2982.

SATUREIA montana. *Bry.* 143.

S. hortensis. *Mill. Jos.* 396.

Thymbra. *Dale* 142.

602. HYSSOPUS.

Calyx quinquefid. *Corolla*, upper lip straight, semibifid; lower lip tripartite; middlemost seg-

ment with 2 patent lobes. *Stamina* distant. *Obs.* 5259. *L.*

1. *HYSSOPUS officinalis*. Racemi secundose. Leaves lanceolate. *Obs.* 5259. In a garden.—*L. a Murr.* 529; *sp.* 796. *Hort. kew.* ii. 283. *Woodv.* i. 181. *t.* 65. *Jacq. austr. t.* 254. *Host.* 320. In Carniola.

Hyssopum goritense, floribus verticillatim ambientibus. *Bauh. J.* iii. b. 276. A specimen gathered by Agerius near Gortz in Carniola.

H. officinarum caerulea seu spicata. *Boerh.* i. 160.

H. arabum Mesuac & officinarum. *Lob. obs.* 237, *repr. in ic.* i. 433, &

H. arabum. *Ger. by Johns.* 579, and *cop. in*

H. coronata sive comosa Clusii. *Park. theatr.* 2.

H. hortensis. *Fuchs.* 798. c. 325, *cop. in*

Hyssopus. *Trag.* 47.

H. vulgaris. *Dod.* 286. (The fig. a different plant.

Calyx slightly hirsute within, somewhat bilabiate, upper lip trifid; lower lip bipartite. *Obs.* 5259.

HYSSOPUS. *Pharm. austriaco-prov.* 42. *suec.* —*Alst.* ii. 152. *Berg.* 509. *Carth.* iii. 124. *Cull.* ii. 147. *Dale* 142. *Geoffr.* iii. 611. *Herm.* 475. *Hill* 363. *Lew.* i. 503. *Linn.* 175. *Mill. Jos.* 239. *Monro* iii. 137. *Murr.* ii. 133. *Neum.* ii. 218. *Ploucq. bibl.* i. 40. *Quar. febr.* 283. 287. 288. 334. 335; *anim.* 91. 110. *Rosenst.* 247. *Rutty* 245. *Schrod.* 605. *Spielm.* 269. *Vog.* 64.

H. officinalis. *Herb. Pharm. edin.*—*Bry.* 138. *Lew. disp. by Dunc.* 238. *Murr. J.* i. 207.

Hyssop. Baylies in med. pap. 44. *Chalm.* ii, 165.
Hysope. *Chom.* 386; *suppl.* 120.

603. NEPETA.

Calyx semiquinquefid; segments equal. *Corolla*, middlemost segment of the lower lip crenate. *Stamina* approaching. *Obs.* 311. *L.*

1. *NEPETA Cataria*. Racemus spikelike. Whirls on short peduncles. Leaves petiolate, cordate, crenato-serrate. *Obs.* 311. Among the ruins of Lilleshall abbey in Shropshire on limestone, on gravel near Worcester, and on gravel and red cos between Sutton and Birmingham.—*L. succ. n.* 514; *sp.* 796. *Huds.* 249. *Fl. dan. t.* 580. *Bot. arr.* 593. *Smith brit.* 608; *engl. t.* 137.
N. major vulgaris. *Dill. ap Raii syn.* 237.
Cataria major vulgaris. *Tourn. paris.* 254. *Vaill. paris.* 31.
Cattaria herba. *Dod.* 99, *repr. in* .
Cataria, sive *Mentha catti.* *Lob. ic. i.* 511,
Mentha felina, seu *Cattaria.* *Ger. by Johns.* 682, *abr. in*
Nep, or *Cat Mint.* *Pet. herb. t.* 32. *f.* 1, and *repr. in*
Mentha Cataria. *Lob. obs.* 276. *Raii syn. ed. ii.* 127; *hist.* 548. *Bauh. J. iii. b.* 225, *abr. from*
Calaminthac primum genus. *Fuchs.* 426, *c.* 166, who describes the corolla as purple.
Nepeta. *Trag.* 15. *Riv. mon. t.* 52.
Herba Gattaria. *Matth.* 719.

Calyx with 15 ribs, when in fruit ventricose underneath; segments subulate. *Obs.* 311.

NEPETA. *Pharm. austriaco-prov.* 52.—*Berg.* 510. *Dale* 150. *Geoffr. suite i.* 157. *Herm.* 470. *Lew.* ii. 130; *disp. by Roth.* 202. *Linn.* 175. *Mill. Jos.* 310. *Murr.* ii. 156. *Rutty* 345. *Schoepf* 95. *Schrod.* 634. *Vog.* 110.

N. vulgaris. *Chom.* 176; *suppl.* 62.

Cataria. *Spielm.* 252.

Mentha Cataria. *Alst.* ii. 181.

604. LAVANDULA.

Calyx tubular, bilabiate. *Corolla*, upper lip larger than the lower lip, flat, semibifid; lower lip trifid. *Stamina* not projecting. *Obs.* 3049. *L.*

Linnaeus calls the corolla resupinate, from the stamina being inserted into the lower side of the throat.

1. *Lower lip of the calyx quadridentate.*

1. *LAVANDULA Spica.* Leaves lanceolato-linear and lanceolate, those of the branches revolute at the margin. Racemus spikelike, interrupted. *Obs.* 199. In a garden.—*L. sp.* 800. *L. fil. ap. L. am.* x. pars ii. 52. *Hort. kew.* ii. 287. *Gou. hort.* 276; *monsp.* 86.

LAVANDULA. *Pharm. lond. notiss.*—*Berg. n.* 322.

Lavendula. *Pharm. lond.*—*Carth.* iii. 170. *Cull.* ii. 147. *Heb.* 302. *Herm.* 571. *Hill* 423. *Monro* iii. 155. *Quar. anim.* 10. *Spielm.* 274. *Vog.* 146.

L. Spica. Flowering spikes. *Pharm. edin.*—*Lew. disp. by Dunc.* 248. *Murr. J.* i. 343. *Pears. R.* i. 111; ii. 185.

Lavendar. *Kirkl. apopl.* 143.

α deltoidea. Bracteae ovato-deltoid. Corolla blue. *Obs.* 199.

L. Spica. L. α. *Ehrh. quoted in L. a Willd.* iii. 60 α. *Lin. fl. ap. L. am. x. pars* ii. 58 α: *Woodv.* i. 150. t. 55.

Lavandula angustifolia. *Mill. Ph. dict. n.* 2.

L. foliis lanceolatis integris, spicis nudis. *L. cliff.* 303; *ups.* 162, where it is said to be for the most part perennial.

L. latifolia. *Boerh.* i. 152. *Magn. monsp.* 151; *hort.* 113.

Pseudonardus mas. *Fuchs.* 845. c. 303, *cop. in*

Pseudo-nardus, quae vulgo Spica. *Bauh. J.* iii. b. 280, and *abr. in*

Spica. *Trag.* 58.

Lavandula major. *Park. par.* 447. No fig.

Lavandula. *Dod.* 273, *repr. in*

Spica recentiorum, sive Nardus italica. *Lob. obs.* 235,

Nardus italica, sive Spica recentiorum. *Lob. ic.* i. 431, &

L. flore caeruleo. *Ger. by Johns.* 583, & *cop. in*

Lavandula major, sive vulgaris. *Park. theatr.* 73. *Raii hist.* 512; *eur.* 161. In the south of France.

L. foemina. *Dalech.* 919.

Stem fruticose, 3 feet long, erect. *Leaves* of the stem tapering downwards, scarcely revolute at the margin, green with a few stellate hairs, 2 inches 3 tenths to 2½ inches long, 2½ to 4 tenths of an inch

broad; those of the branches very much revolute at the margin, whence appearing linear and obtuse, glaucous, hoary, tomentose with stellate hairs. *Bracteae* brown, those at the base of the verticilli ovato-deltoid, acuminate; those at the base of the pedicles subulate, unequally bifid; segments subulate. *Calyx* somewhat longer than the bracteae, 2 tenths of an inch long; tube with 13 costae; upper lip erect, roundish ovate, tapering at the base, with 3 costae, projecting beyond the lower lip; lower lip truncate, with 3 obsolete teeth. *Corolla* violet coloured; upper lip erect, bifid, just sensibly broader than the lower, half as long again, tomentose without, slightly so within; segments roundish oblong; lower lip deeply trifid; segments ovato-oblong, smaller than those of the upper lip. *Stamina* inserted on the lower side of the tube of the corolla, the 2 upper being opposite to the commissures of the upper and lower lips. *Obs.* 199.

β *linearis*—*Sal. W.* 52.—*Bracteae* linear. Leaves spatulate. From *Ehrh. quoted in L. a Willd.* iii. 60. *Hort. kew.* ii. 287 γ . *L. \beta?* is described as annual.—*L. fl. ap L. am. x. pars* ii. 58? is described as having oval leaves.

L. latifolia. *Donn* 141.

Lavendula Spica. *Mill. Ph. dict. n.* 1. Leaves of the shoots much shorter and broader than those of α , those of the stems somewhat broader than those of α . Stems taller. Panicles larger. Flowers smaller. Does not often flower.

LAVENDULA angustifolia. *Rutty* 276.

L. major. *Geoffr.* iii. 683.

Lavendula. *Alst.* ii. 159. *Dale* 141. *Lew.* ii. 45. *Mill. Jos.* 259. *Murr.* ii. 135.

L. latifolia. *Chom.* 382; *suppl.* 119.

Spica mas. *Schrod.* 685.

Spica latifolia. *Mill. Jos.* 422. Leaves broader than those of α , not quite so hoary. Stems taller. Panicles larger. Flowers smaller.

L. altera. *Dod.* 273, repr. in

Spica Lavendula. *Lob. ic. i.* 431, &

L. minor, sive Spica. *Ger. by Johns.* 584. *Park. theatr.* 73. No figure.

Pseudo-nardus foemina. *Fuchs.* 845. c. 303, cop. in

Pseudo-nardus, quae Lavendula vulgo. *Bauh. J.* iii. b. 281.

Lavendula. *Trag.* 57.

Lavendula minor, seu Spica. *Park. par.* 447. t. 451. f. 2.

L. mas. *Dalech.* 920.

L. angustifolia. *Magn. hort.* 113. *Boerh. i.* 152.

LAVENDULA latifolia. *Lew.* ii. 47.

L. minor. *Geoffr.* iii. 684.

L. Spica latifolia. *Murr.* ii. 135.

L. angustifolia. *Alst.* ii. 160. *Chom.* 382; suppl 119.

Spica Lavendula vulgaris. *Dale* 141.

Spica latifolia. *Mill. Jos.* 422.

Spica. *Linn.* 176.

Spica foemina. *Schrod.* 685.

12. LAVANDULA *Stoechas*. Leaves linear, sessile, tomentose; margin revolute. Spike compact, comose. Bracteae with mostly 3 lobes. *L. sp.* 800. *H. K.* ii. 288.

Stoechas. *Dod.* 274, repr. in *Lob. obs.* 234;

Stoechas, sive *Stichas.* *Lob. ic. i.* 429,

Stoechas, sive Spica hortulana. *Ger. by Johns.* 585, and

Stoechas brevioribus ligulis. *Clus. hist.* i. 344, and
cop. in *Hist. ox. s.* 11. t. 1. row 3. f. 1, and

Stoechas vulgaris. *Park. theatr.* 67, and abr. in

Stoechas. *Park. par.* 448. t. 451. f. 3.

Stoechas arabica vulgo dicta. *Bauh. J.* iii. 277.

Stoechas arabica. *Barrel. t.* 301.

Calyx with 12 ribs; upper lip reniformi-cordate, incumbent on and just longer than the lower lip; lower lip with 4 obsolete teeth. *Obs.* 5540. Specimen gathered in the garden of Fothergill.

STOECHAS. *Alst.* ii. 231. *Geoffr.* ii. 280.

Herm. 581. *Lew.* ii. 389; *disp.* 232. *Murr.* ii.

138. *Schrod.* 687. *Spielm.* 300.

Stoechas arabica. *Dale* 141. *Linn.* 176. *Mill. Jos.*

425. *Rutty* 499. *Vog.* 155.

Stoechas purpurea. *Chom.* 385. *Neum.* ii. 217.

605. SIDERITIS.

Stamina within the tube of the corolla. *Stigma*, the shorter half sheathing the other. *Obs.* 5505. *L.*

1. *Without bracteae.* *L.*

1. *SIDERITIS montana.* *Calyx* bilabiate; upper segment trifid. *Obs.* 7896. Specimen gathered in the Vienna garden.—*L. sp.* 802. *Hort. kew.* ii. 290. *Jacq. austr.* v. 16. t. 434.

Marrubiastrum sideritidis folio, caliculis aculeatis, flore flavo cum limbo atro-purpureo. *Boerh. i.* 171.

S. hirsuta, pallido flore. *Raii hist.* 564.

S. montana, parvo flore nigro-purpureo, capite medio croceo. *Col. ecphr.* i. t. 196.

S. flosculis vix ex vasculis prominentibus fuscis.
Bauh. J. iii. 427.

Leaves entire at the margin. *Obs.* 7896.

SIDERITIS pannonica III. *Clus. pann.* 601,
repr. in

S. VI. pannonica. *Clus. hist.* ii. 41, and

S. angustifolia. *Ger. by Johns.* 697. Corollae represented nearly twice as long as the calyces, though described as barely projecting beyond them.

2. *SIDERITIS hirsuta.* Calyx semiquinquefid. Bracteae with spinose teeth. Flowers verticillate. Leaves spatulato-elliptic, serrate, hirsute. Stems villose, decumbent. Upper lip of the corolla twice as long as the lower. *Obs.* 5510. Specimen gathered in Fothergill's garden.—*L. sp.* 803; *mant.* 410; *a Murr.* 532. *Hort. kew.* ii. 293.

S. heraclea. *Clus. hisp.* 390, *repr. in hist.* ii. 38,

Tetrahit herbariorum. *Lob. ic.* i. 523,

Herba judaica. *Dod.* 94,

Herba judaica Lobelii. *Ger. by Johns.* 690, and
cop. in

Tetrahit, S. heraclea Dioscoridis. *Dalech.* 1119.

S.CLUSIO hispanica hirsuta. *Bauh. J.* iii. 426. No
fig.

S. sive Ferruminatrix. *Lob. adv.* 223, *repr. in Lob.*

ic. i. 523, was probably intended to represent it, though so ill agreeing with the descr. of the leaves.

Leaves similar to those of *Teucrium Scordium.*

Calyx hirsute, with 10 ribs; segments triangular, terminated by a short spine; hairs acute, articulated.

Corolla just longer than the calyx, hirsutulous above; upper lip oblong square, emarginato-semibifid; lower lip twice as short as the upper, trilobate; lobes

incumbent, the middlemost emarginate, the lateral ones twice as small, triangulari-ovate. *Obs.* 5510.

SIDERITIS. *Dale* 153. *Diosc.* l. iv. c. 33.

Schrod. 683.

S. hirsuta procumbens. *Magn. hort.* 184:

606. MENTHA.

Corolla quadrifid; segments nearly equal, the broadest emarginate. *Stamina* erect, distant. *L.*

1. *MENTHA Auricularia*. Spikes oblong. Leaves oblong, pilose, serrate. *Stamina* longer than the corolla. *L. a Murr.* 532; *mant.* 81.

Majana foetida. *Rumph.* vi. 41. t. 16. f. 2.

AURICULARIA. *Dale* 146.

M. Auricularia *Linn.* 176.

2. *MENTHA viridis*. Racemi terminal, attenuate, composed of verticilli. Lower verticilli distinct. Leaves cordato-lanceolate. *Obs.* 5965. In a garden.

α glabra. Stem and leaves glabrous. *Obs.* 5965.

M. viridis. *L. sp.* 804. *Huds.* 250. Near Exmouth in Devonshire, and on the banks of the Thames.—*Bot. arr.* 597. *Sole* 11. t. 5. *Smith in lin. tr.* v. 185; *brit.* 612 *α*. *Woodv.* iii. 462. t. 170.

M. glabra. *Mill. Ph. dict. n.* 2.

M. spicata. *Huds. ed.* i. 221.

M. angustifolia spicata. *Vaill. paris.* 125.

Mentha. *Blackw. t.* 290. *Cam. epit.* 477, excellent.

Menta sativa tertia, sive romana. *Fuchs,* 288. c. 111, *cop. in*

M. spicata, folio longiore acuto glabro nigriori.

Bauh. J. iii. 220, and *abr. in*

Nepeta aquatica. *Trag.* 20.

(*M. romana officinarum*, sive praestantior angustifolia. *Lob. obs.* 271, repr. in *ic.* i. 507,

M. tertia. *Dod.* 95. &

M. romana. *Ger. by Johns.* 680, is a pretty good representation of it, but is *M. sylvestris*.

M. quarta. *Dod.* 95, is *M. gentilis*.)

Leaves when chewed not exciting a sense of warmth in the mouth as those of *M. piperata*. *Corolla* purplish white; segments with a purple blotch. *Stamina* shorter than the corolla. *Antherae* without pollen. *Obs.* 5965.—*Calyx*, segments triangularisubulate, hirsute. *Corolla*, upper segment emarginate, microscopically hirsute on the outside, the rest retuse. *Stamina* extending beyond the corolla to a fifth of the length of the corolla. *Obs.* 5966. Specimen gathered in a garden in Worcestershire.

MENTHA viridis. *Pharm. lond. noviss.*—*Bry.* 105. *Murr. J.* i. 206. *Pears. R.* ii. 188. *Schoepf* 96.

M. romana. *Geoffr. suite* i. 32.

M. sativa. *Spear Mint*. *Herb. Pharm. lond.*—*Alst.* ii. 180. *Cull.* i. 149. 153. *Heb.* 274. *Hill* 357. *Lew.* ii. 101; *disp. by Dunc.* 254. *Mill. Jos.* 290.

M. angustifolia spicata. *Chom.* 436.

M. sativa acuta. *Schrod.* 624.

Mentha. *Dale* 145. *Monro* iii. 170. *Rutty* 322.

Mint. *Blane* 452. *Chalm.* i. 154. 186. 191. 193. 203; ii. 41. 116. *Denm.* i. 254. 194. *Graing.* 51. *Rush* i. 136. *Und.* i. 306.

Spear Mint. *Lind hot clim.* 314.

8. *MENTHA tomentosa*. Racemi terminal, oblong, composed of verticilli. Leaves cordato-lanceolate, tomentose underneath. Stem tomentose. Calyces villose; segments subulate; hairs longer than the breadth of the segments. *Obs.* 6038. Specimen from Prof. Jos. F. Jacquin.

M. candicans. *Mill. Ph. dict. n.* 3.

M. villosa prima. *Sole 3. t.* 1.

Menthastrum sylvestre foliis latis. *Besl. hort. aest. ord. 7. t. 3. f.* 2.

Menthastrum, sive *M. sylvestris*. *Cam. epit.* 479.

Menthastrum. *Riv. mon. t.* 51. *f.* 1. *Dod.* 96, repr. in *Clus. hist. ii.* 32, cop. in

Menthastrum hortense, sive *M. sylvestris*. *Park. theatr.* 33, and repr. in

Menthastrum. *Lob. obs.* 273; *ic. i.* 509, and *Ger. by Johns.* 684. *Trag.* 20, repr. in *Cord. fol.* 157. *p.* 1. *Fuchs.* 289. *c.* 111, cop. in

Menthastrum spicatum, folio longiore candicante. *Bauh. J.* iii. 221. *Raii syn.* 234. Found by Lister at Burwelbeck in Lincolnshire, and by Dale in a meadow behind the alms houses at Great Yeldham in Essex.

M. tertia. *Dod.* 95, repr. in

M. romana officinarum, sive *praestantior angustifolia*. *Lob. obs.* 271; *ic. i.* 507; &

M. romana. *Ger. by Johns.* 680.

Stem tomentose, whitish. *Leaves* whitish underneath, the upper lanceolate. *Racemi* from $\frac{1}{2}$ to $\frac{3}{4}$ of an inch long. *Calyx* nearly membranaceous; hairs flexible, jointed, numerous, set close along the margin in a pectinate form, extending beyond the end of the segments, extremely fine, as narrow again at the ends as those of *M. villosa*. *Corolla*, uppermost segment

emarginate, hirsute on the outside; 3 lower segments oblong. *Stamina* nearly as long again as the corolla. *Obs.* 6038.—*Calyx* as above described. *Corolla* not expanded. *Obs.* 6037. In a garden at Dolgethly in Merionethshire, where used for the same purposes as *M. viridis*.—*Stamina* longer than the corolla. *Obs.* 6794. Specimen from Dr. Boehmer.

MENTHA sylvestris. *L. sp.* 804. *Huds.* 250. *Fl. dan. t.* 484. *Bot. arr.* 596. *Smith in lin. tr. v.* 179 α ; *brit.* 609 α ; *engl. t.* 686.—*Linn.* 177. *Murr.* ii. 152.

Mentastrum. *Alst.* ii. 181. *Dale* 146.

Menthastrum. *Rutty* 324. *Herm.* 470. *Mill. Jos.* 293.

M. longifolia. *Berg.* 515.

4. *MENTHA villosa*. Racemi terminal, composed of verticilli. Leaves ovato-elliptic and elliptic, rugose, acute, villose underneath. Calyces hirsutulous; hairs straight; segments triangulari-subulate. *Obs.* 6036. On the side of the road in Beighton in Derbyshire, a village south of Rotherham.—*Huds.* 250.

α *ellipticifolia*. (Variation.) Leaves elliptic. *Obs.* 6036.

M. villosa secunda. *Sole 5. t.* 2.

M. sylvestris β *Smith brit.* 610.

Menthastrum aquaticum genus hirsutum, spica latiore. *Bauh. J.* iii. 222. (The fig. seems a species of *Nepeta*.) *Raii syn.* 234.

Stem purple at the base. *Leaves* sessile and on very short petioles, some cordato-elliptic, pubescent above, villose and pale green underneath. *Racemi* when in flower attenuate; lowermost verticillus some-

times composed of 2 opposite pedunculate umbels. *Calyx* semiquinquefid, hirsute; hairs attenuate, with 1 and 2 indistinct articulations; segments subulato-triangular, purplish at the ends; sinuses obtuse. *Corolla* whitish; segments tinged with pale purple, microscopically hirsute on the outside, the uppermost emarginate, 3 lowermost retuse. *Stamina* extending scarcely beyond the tube of the corolla. *Antherae* without pollen. *Obs.* 6036. 6767. In a field on the outside of a garden belonging to a mill near Langley in Derbyshire. 10 Sep.

MENTASTRUM hirsutum. *Lew.* ii. 104.
Auricularia. *Dale* 146.

5. *MENTHA rotundifolia*. Racemi terminal, composed of verticilli. Leaves ovato-oval, obtuse, rugose, villose above, tomentose underneath. Segments of the calyx subulato-triangular, ciliate with hairs shorter than the breadth of the segments. *Obs.* 3105. On the outside of a garden at Stone near Kidderminster.—*Huds.* 251. *Mill. Ph. dict.* n. 8. *L. sp.* 805. *Bot. arr.* 598. *Smith engl. t.* 446; *in lin. tr.* v. 183; *brit.* 611.

M. sylvestris. *Sole 7. t.* 3.

M. sylvestris, rotundiore folio. *Tourn. paris.* 494.
Vaill. paris. 125.

Menthastrum anglicum. *Riv. mon. t.* 51. *f.* 2.

Menthastrum folio rugoso rotundiore, spontaneum, flore spicato, odore gravi. *Bauh. J.* iii. 219. *Raii syn.* 234.

Menthastrum. *Ger. by Johns.* 684. (The fig. *M. villosa*.)

Leaves, margin and points of the serratures deflex.

Calyx semiquinquefid; segments triangular, attenu-

ate, hirsute; hairs shorter than the breadth of the segments. *Stamina* extending nearly half as far again as the corolla. *Obs.* 3105.—*Leaves* when chewed at the end of 8 years slightly acrid but not diffusing the glowing warmth of *M. piperata*. Specimen. *Obs.* 3105.—*Stamina*, 2 extending just beyond the corolla, the other 2 somewhat shorter than the corolla. *Obs.* 6768. Specimen from Mr. Robson gathered by Mr. Flintoff near the sea at Saltburn.

β *variegata*. Leaves variegated with straw colour. *Obs.* 719. In a garden.

M. rotundifolia β *Smith in lin. tr.* v. 183; *brit.* 611.

M. sylvestris β *Sole* 7.

Menthastrum niveum anglicum. *Besl. hort. aest. ord.* 7. *fol.* 3. *Ger. by Johns.* 684, *cop. in*

Menthastrum spicatum, folio crispo rotundiore, colore partim albo partim cinereo vel virente. *Bauh. J.* iii. 219.

Racemi numerous. *Calyx*, segments whitish at end; hairs shorter than the breadth of the segments. *Stamina* not extending so far as the end of the tube of the corolla, sometimes extending a little beyond. *Obs.* 719.—*Leaves* when chewed bitterish and slightly acrid, not diffusing the glowing warmth of *M. piperata*; their scent somewhat aromatic but not like that of the generality of mints. *Obs.* 6782. In a garden.

MENTHA alba. *Geoffr. suite* i. 36.

M. sylvestris. *Dale* 146.

M. sylvestris, rotundiore folio. *Chom.* 177.

6. *MENTHA piperata*. Umbels in terminal racemi. Leaves lanceolate, serrate, petiolate. *Stamina* shorter than the corolla. *Obs.* 4089. On the east-

ern side of the old turnpike road between Whittington and Unston in Derbyshire, a little to the north of the bridge at a distance from any house, observed for two years successively.

M. piperita. *Huds.* 251. *Mill. Ph. dict. n.* 6.

On the side of the river between Mitcham and Croydon in Surry,—but he describes the stamina as longer than the corolla. Perhaps all the plants in which the stamina are shorter than the corolla may have become barren by having propagated themselves solely by the roots; but I am inclined to suspect that he mistook styles for stamina. The description of the stamina may possibly have been formed from Dillenius's fig. in *Raii syn.*—*Knigge t. at p.* 40. *Bot. arr.* 599. *var.* 2. *Smith in lin. tr.* v. 189; *engl. t.* 687; *brit.* 614 α . *Zorn t.* 156. *Regn.*—*Woodv.* iii. 461. *t.* 169. (*L. sp.* 805, is *M. glomerata* β)

M. piperita officinalis. *Sole* 15. *t.* 7.

M. piperis sapor. *Blackw. t.* 291.

Leaves when chewed exciting a glowing heat in the tongue and palate continuing for a few minutes. A specimen at least 50 years old excited the same sensation of heat. 20 Sep.

α *pubescens.* (Variation.) *Leaves* pubescent on the upper side. *Obs.* 4089.—*Obs.* 5260. In a wet ditch between Grenhill moor and Great Norton in Derbyshire; but the plants in both instances probably the refuse of gardens.—*Obs.* 6739. In a garden cultivated for distillation. 20 Aug.

M. spicis brevioribus & habitioribus, foliis M. fuscae, sapore fervido piperis. *Raii syn. ed.* ii. 124. Found by Eales in Hertfordshire.—*Dill. ap Raii syn.* 234. *t.* 10 f. 2, may be the plant, but verticilli too distant, floral leaves too large and stamina re-

presented as longer than the corolla. It might be made from a dried specimen in which the artist perhaps mistook the projecting styles for stamina which had shed their pollen.

Eales pepper Mint. *Pet. herb. t.* 31. *f.* 10.

M. saxifraga, angustiore folio, spicata, sapore acri fervido. *Pluk. mant.* 129.

Antherae without pollen in flowers examined when just ready to expand. *Obs.* 5260.—*Racemi* at first attenuate and acute, but when the uppermost umbels in flower rounded at the end. *Antherae* without pollen. *Obs.* 6739.

MENTHA piperita. *Pharm. lond. noviss. edin.*—

Lew. disp. by Dunc. 254. *Linn.* 178. *Murr.* ii. 150; *J.* i. 206. *Pears. R.* ii. 188. *Ploucq. bibl.* i. 316. 176. 265. 500. 699. *Spielmann.* 281.

M. piperitis. Pepper Mint. *Herb. Pharm. lond.* —*Alst.* ii. 181. *Berg.* 516. *Cull.* ii. 150. *Heb.* 225. 236. *Hill* 358. *Lew.* ii. 104. *Monro* iii. 171.

M. piperis sapore. *Dale* 146. *Mill. Jos.* 293. *Rutty* 324.

Pepper Mint. *Denm.* i. 253. *Hunt. J. jam.* 107. 128. 224. *Maclean* 168.

7. *MENTHA crispa*. Verticilli terminal, rounded at the end. Leaves cordate, inciso-serrate. *Obs.* 6796. Specimen gathered in a garden.—*L. sp.* 805. *H. K.* ii. 294. *Mill. Ph. dict. n.* 7. *Riv. mon. t.* 50. *Berg. mat. med.* 513. *Lour.* ii. 437.

M. crispa danica aut *germanica speciosa*. *Park. theatr.* 32, cop. in *Hist. ox.* iii. 367. s. 11. t. 6. f. 5. *Boerh.* i. 185.

(*M. sativa* seu *crispa*. *Trag.* 19, &

M. spicata rotundifolia crispa. *Bauh. J.* iii. b, 218 are *M. tomentosa* β)

Stem slightly hirsute, branched above. *Leaves* undulate and curled at the margin, villose underneath, when chewed exciting some warmth but not equal to that of *M. piperata*. *Racemus*, the terminating one to $1\frac{1}{2}$ inch long; lowermost verticillus separate from those above. *Pedicles* glabrous. *Calyx* nearly quinquesfid, glabrous, hirsutulous above; hairs very short, scattered; segments subulate. *Corolla* purplish, one third longer than the calyx. *Stamina* extending as far as the middle of the limb. Probably a curled variety of a species whose usual form we are unacquainted with. The habit of its fructifications induces me to suspect it to be a variety of *M. piperata*. *Obs.* 6796.

MENTHA *crispa*. *Pharm. austriaco-prov.* 49. *suec.*—*Berg.* 514. *Carth.* iii. 127. *Herm.* 467. *Lew. disp. by Dunc.* 344. *Linn.* 177. *Murr.* ii. 146. *Spielm.* 280. *Vog.* 69.

M. sativa crispa. *Schrod.* 624.

Mentha. *Quar. febr.* 80. 82. 92. 207. 375. 376. 382; *anim.* 167. 229. 235.

8. *MENTHA multifida.* *Bracteae* multifid. *Obs.* 6771. Specimen gathered in the Paris garden.

M. cervina. *L. sp.* 807; *mant.* 411. *Hort. kew.* ii. 295.

Pulegium angustifolium, sive *cervinum monspeliensium odoratius.* *Lob. adv.* 214, *repr. in ic.* i. 501, *cop.* with a separate branch in

Pulegium angustifolium, sive *cervinum.* *Park. theatr.* 31, and *repr. in*

Pulegium angustifolium. *Ger. by Johns.* 672. *Hist. ox. s.* 11. *t.* 7. *row* 3. *f.* 7. Near Montpelier.

Pulegium cervinum angustifolium. *Bauh. J.* iii. 257.

Stems slightly scabrous, with minute deflex rigid hairs. *Leaves* linear, glabrous, dotted underneath. *Bractee* nervose at the base, dotted above. *Flowers* sitting and on very short pedicles. *Pedicles* glabrous. *Calyx* glabrous, without any circle of hairs on the inside; the margin minutely ciliate; segments ending in short spines. *Corolla* as long again as the calyx. *Obs.* 6771.

PULEGIUM *cervinum*. *Mill. Ph. dict. n.* 3. *Dalech.* 892.—*Alst.* ii. 181. *Dale* 147. *Lew.* ii. 250. *Mill. Jos.* 363.

99. *MENTHA* *Pulegium*. *Leaves* obovato-oblong. *Calyx* pubescent, with a circle of hairs on the inside. *Pedicles* pubescent. *Obs.* 6772. Specimen gathered by Mr. Hollefeare, probably on the side of a pool at Roberts-end near Hanley castle in Worcestershire.—*Smith in lin. tr.* v. 217; *brit.* 624; *engl. t.* 1026. *L. sp.* 807. *Lour.* ii. 437. *Huds.* 254. *Lightf.* 306. 1135. *Bot. arr.* 602. *Sibth. ox.* 183. Wet moors and commons.

repens. Stem creeping. *Obs.* 6772.

M. Pulegium. *Sole* 51. *t.* 23. *Woodv.* iii. 466. *t.* 171.

Pulegium vulgare. *Mill. Ph. dict. n.* 1.

Pulegium latifolium. *Tourn. paris.* 224.

Pulegium, quae *M. aquatica*, seu *Pulegium vulgare*. *Vaill. paris.* 126.

Pulegium mas, sive *sativum*. *Fuchs.* 198. *ed. fol. cop. in* 198. *c.* 73, &

Pulegium. *Bauh. J.* iii. *b.* 256, *impr. in Trag.* 73. *Brunsf.* i. 227. *Cam. epit.* 471. *Raii syn.* 235. *Ric. mon. t.* 23. *f.* 1.

Pulegium regium. *Dalech.* 891. *Ger. by Johns.* 671, *cop. in*

Pulegium vulgare. *Park. theatr.* 29, and *ill abr. in*
Pulegium. *Park. par. t.* 475. *f.* 5.

Stem pubescent, tetragonous, $4\frac{1}{2}$ inches long. *Leaves* obovato-oblong; margin mostly entire, sometimes obsolete serrate. *Pedicles* microscopically pubescent; hairs horizontal. *Corolla*, upper segment mostly emarginate. *Stamina* longer than the corolla. *Obs.* 6772.—*Stem* curved, 9 inches long. *Leaves* ovali-oblong and ovali-elliptic, sometimes serrate. *Pedicles* as in *Obs.* 6772.—*Obs.* 6774. Specimen gathered in a garden.

PULEGIUM. Pennyroyal. Herb and flowers. *Pharm. lond.*—*Alst.* ii. 181. *Berg.* 518. *Cull.* ii. 151. *Dale* 147. *Geoffr. suite* i. 37. *Herm.* 472. *Hill* 341. *Lew.* ii. 250. *Linn.* 178. *Monro* iii. 225. *Murr.* ii. 153. *Rutty* 416. *Schrod.* 657. *Spiclm.* 289. *Vog.* 76.

M. Pulegium. Herb. *Pharm. edin.*—*Fordyce, G.* *fev.* iv. 140. *Lew. disp. by Dunc.* 254. *Murr. J.* i. 207. *Pears. R.* i. 146; ii. 189.

Pulegium latifolium. *Chom.* 372; *suppl.* 115.

Pulegium vulgare. *Mill. Jos.* 362.

β erecta. *Stem* erect. *Obs.* 6773. Specimen in an old herbarium collected in Britain.

Pulegium mas Plinii. *Lob. ic.* i. 501, *cop. in Bauh. J.* iii. 257, and *repr. in*

Pulegium mas. *Ger. by Johns.* 671, *Raii hist.* 534.

Stem a foot long. *Leaves* ovato-oval. *Pedicles* microscopically pubescent; hairs slightly deflex. *Calyx* pubescent on the outside, with a circle of hairs on the inside. *Obs.* 6773.

PULEGIUM erectum. *Mill. Ph. dict. n. 2*, from seeds sent to him from Gibraltar.—*Dals* 147.

10. *MENTHA arvensis*. Flowers verticillate. Cauline leaves ovate, floral leaves elliptic. Corolla villose within and without. *Obs.* 5006. On the brink of a canal near Aldercar in Derbyshire.—*L. suec. n. 516; sp. 806. Huds. 253. Bot. arr. 601. Sole 29. t. 12. Smith brit. 623. Fl. dan. t. 512.*

Pulegium quae *M. arvensis verticillata hirsuta*. *Vaill. paris. 126.*

M. arvensis verticillata hirsuta. *Tourn. paris. 495. Boerh. i. 185. n. 9. Bauh. J. ii. b. 217, cop. from*

Calaminthae secundum genus. Fuchs. 426. c. 166; which imit. in

Nepeta agrestis. Trag. 16, which cop. in

Nepeta IIII. *Dalech. 907.*

M. aquatica exigua. Trag. 24.

M. aquatica belgarum: Lob. obs. 270, repr. in ic. i. 505, &

Calamintha aquatica. Ger. by Johns. 684, & cop. in

Calamintha arvensis verticillata, sive aquatica belgarum. Park. theatr. 37, &

Polycnemum Lobellii. Dalech. 932.

Villose, whitish green. Branches patent. Corolla villose within and without. Stamina abortive. *Obs.* 5006.

CALAMINTHA arvensis. Geoffr. iii. 239.

Calamintha aquatica. Ratty 80.

Calamintha palustris. Dale 147.

Calamentha aquatica. Mill. Jos. 103.

Calamentha arvensis verticillata hirsuta. Chom. 373,

11. *MENTHA rubra*. Flowers verticillate. Stem branched. Corolla nearly glabrous within; upper lip villose on the outside. *Obs.* 5183. In a wet meadow.—*Huds.* 252.

M. gentilis. *L. sp.* 805. *Sole* 35. *t.* 15. *Bot. arr.* 600.

M. gracilis. *Smith brit.* 622; *engl. t.* 449.

M. fusca sive *vulgaris*. *Raii syn.* 232, where instead of 3 species, read 1 species, as evident from *ed. i.*

Menta sativa quarta. *Fuchs.* 288, *c.* 111, *cop. in*

M. verticillata minor acuta non crispa, odore ocymi. *Bauh. J.* iii. *b.* 216.

M. quarta. *Dod* 95, *repr. in*

M. romana angustifolia sive cardiaca. *Lob. obs.* 271; *and ic.* i. 508, *cop. in Park. theatr.* 31, & *repr. in*

M. cardiaca. *Ger. by Johns.* 680.

Stems smoothish, shining, blackish purple. Leaves strongly tinged with blackish purple. Stamina as long as the corolla, sometimes abortive when shorter than the corolla. *Obs.* 5183.

MENTHA cardiaca. *Geoffr. suite i.* 27.

M. fusca. *Dale* 147.

M. balsamina. *Berg.* 520.

M. hortensis verticillata, ocimi odore. *Chom.* 436.

12. *MENTHA stricta*. Leaves ovate, hirsutulous. Stem erect. Throat of the corolla glabrous. Pedicels glabrous. Calyx glabrous below. *Obs.* 6780. On the banks of the Rother below Chesterfield, some feet above the water.

M. rubra. *Smith in lin. tr.* v. 205; *engl. t.* 1413; *brit.* 619, but the leaves described as shining.

M. rivalis. *Sole* 45. *t.* 20; as it appears when first come into flower. Corolla described as very pale pink.

M. sativa. *Sole* 47. *t.* 21, as it appears in its more advanced state of flowering. Veins of the leaves described as red.

M. sativa prima. *Fuchs*. 287. *c.* 111, *cop. in*

M. crispa verticillata, folio rotundiore. *Bauh.* iii. 215. *Raii syn.* ed. ii. 124.

M. verticillata. *Dill.* ap. *Raii syn.* 232,

(*M. prima*. *Dod.* 95, *repr. in*

M. vulgata serpens, rotundiore folio. *Lob. obs.* 271,

M. cruciata. *Lob. ic.* i. 507, and

M. sativa rubra. *Ger. by Johns.* 680, and *cop. in*

M. crispa. *Park. theatr.* 32, has leaves too oblong; and a stem too hairy, and described as decumbent at the base.)

Scent very strong, similar to that of dried *M. viridis*.

Stem glabrous, brownish purple. Corolla glabrous; uppermost segment slightly hirsute. Stamens extending beyond the corolla one third of its length.

Obs. 6026. In water at Matlock on the side of the road to Tansley.—Root creeping. Stem branched;

4¼ feet long, erect, brownish purple below, hirsutulous, branched from about the middle. Branches

patent, flexuose. Leaves ovate, lower ovali-ovate, rather obtuse, recurvate; dull, hirsutulous, dark

green above, paler underneath, not hot in the mouth as those of *M. piperata*; floral leaves subrotundo-

ovate, acute. Petioles short. Whirls numerous; each consisting of 2 umbels. Umbels pedunculate.

Peduncles about as long as the pedicles, sometimes shorter, glabrous. Bractæae ciliate; outer lanceolate, inner subulate. Pedicles brownish purple, some-

what shorter than the calyces. *Calyx* glabrous below, hirsutulous above, brownish purple on one side, glabrous within and with a few hairs on the inner side of the segments; segments subulato-triangular. *Corolla* one third longer than the calyx, rose coloured purple. *Stamina* shorter than the corolla; abortive, in a few flowers a little longer than the corolla and containing perfect antherae. *Pollen* white. *Obs.* 6780.

MENTHA *sativa*. *Bry.* 104.

M. crispa. *Dale* 147. *Geoffr. suite* i. 29.

M. crispa verticillata. *Boeckl. ap. Herm.* 468. *Chom.* 435; *suppl.* 136.

♂ *sterilis*. (Variation.) Antherae without pollen. *Obs.* 4142. In a sandy road.

Stem slightly hirsute, erect, straight, simple above, with barren branches below. *Stamina* as long as the corolla. Hence it appears probable that when plentifully supplied with water the stamina are fertile. This opinion may be ascertained by transplanting barren plants into a watery situation. *Obs.* 4142.

13. *MENTHA glomerata*. Verticilli terminal, rounded at the end. Lower leaves ovato-oval, upper ovate. *Obs.* 5113. In water on the edge of a canal.

M. aquatica. *Huds.* 252. *Sibth. ox.* 182.

α *glabriuscula*. (Variation.) Leaves nearly glabrous. *Stamina* longer than the corolla. *Obs.* 1160. On the banks of the Sow near Stafford. 16 Oct.

M. aquatica. *L. sp.* 805. Plant not hairy. Verticilli, the terminal ones crowded into a head or obtuse spike. *Stamina* longer than the corolla.—Dr. Smith assures us that the specimen found in the

Linnaean herbarium under this name is a verticillate Mint.—*Bot. arr.* 598.

M. aquatica minor. *Sole* 23. *t.* 10, in its smoother state as said to be found in Somersetshire Wiltshire and Wales. Stem and leaves represented as glabrous.

Stem tetragonous, rigid, pubescent, 2 feet long and upwards. *Leaves* ovate, acute, horizontal, somewhat recurvate, rather rigid, dotted; veins and costa underneath pubescent, above with distant very short hairs. *Petioles* pubescent, sulcate on the upper side. *Verticilli* crowded into a subrotundo-oblong head. Has the scent and taste of *M. piperata*. *Obs.* 1160, but whether I attended only to the flavour and omitted to notice the warmth I know not. The leaves chewed at the end of 29 years excite no sense of heat.

♂ *piperata.* (Variation.) Leaves nearly glabrous. Stamina shorter than the corolla. *Obs.* 1222. Specimen gathered probably in the neighbourhood of Birmingham, by Withering, who informed me that it had the taste of *M. piperata*, but the leaves chewed at the end of 29 years excite no sense of warmth.

M. piperita. *L. sp.* 805. *Huds.* 251 ♀. *Bot. arr.* 599. *var.* 1.

M. piperita vulgaris. *Sole* 19. *t.* 8.

M. hirsuta γ *Smith brit.* 617.

M. nigricans. *Mill. Ph. dict.* n. 12.

Stem pubescent above. *Leaves* ovali-elliptic; uppermost ovate; costa below on the upper side pubescent; costa and veins underneath pubescent. *Obs.* 1222.

γ *hirsutula*. (Variation.) Leaves pubescent. Stem hirsute; hairs deflex, adpressed. Stamina longer than the corolla. *Obs.* 5113. On the side of the Cromford canal.

M. hirsuta. *Smith engl. t.* 447.

M. aquatica major. *Sole* 25. *t.* 11. Hairs of the stem horizontal.

M. palustris. *Mill. Ph. dict. n.* 11.

Origanum vulgare. *Fl. dan. t.* 638.

M. rotundifolia palustris, sive *aquatica major*. *Tourn. paris.* 212.

Pulegium, quae *M. rotundifolia palustris*, sive *aquatica major*. *Vaill. paris.* 125.

Sisymbrium. *Fuchs.* 684. *c.* 276, *cop. in*

M. aquatica, sive *Sisymbrium*. *Bauh. J.* iii. *b.* 223. *Raii syn.* 233. *Ger. by Johns.* 684, *repr. from*

Sisymbrium. *Dod.* 97, *which abr. in*

Common water Mint. *Pet. herb. t.* 31. *f.* 6, *cop. in*

Sisymbrium silvestre. *Dalech.* 677, & *repr. in*

M. aquatica sive *sisymbria rubro folio*, & *flore nigrae menthae*. *Lob. obs.* 272, & *ic.* i. 509; *adv.* 218. No fig.

MENTHA aquatica. *Alst.* ii. 181. *Dale* 146.

Geoffr. suite i. 34. *Herm.* 469. *Lew.* ii. 104.

Mill. Jos. 292. *Spielm.* 280.

M. rubra. *Pharm. austriaco-prov.* 49.—*Lew. disp. by Dunc.* 344.

M. rotundifolia palustris, seu *aquatica major*. *Chom.* 177.

δ *abortiva*. (Variation.) Leaves and stem as γ. Stamina shorter than the corolla. *Obs.* 5184. In a dryish ditch.

Stem villose. *Leaves* pubescent above, villose underneath. *Corolla* $2\frac{1}{4}$ tenths of an inch long, villose without, glabrous within. *Obs.* 5184.

607. GLECHOMA.

Calyx semiquinquefid; segments nearly equal. *Corolla*, upper lip erect, semibifid; lower lip trifid. *Antherae*, each pair approaching in form of a cross. *Obs.* 5532. *L.*

1. GLECHOMA *hederaceum*. *L. succ.* 518; *sp.* 807. *Bot. arr.* 603. *Curt. lond.* ii. 44. *t.* 143; *mat. med. t.* 11. *Fl. dan. t.* 789. *Woodv.* i. 84. *t.* 28. *Smith brit.* 625. *Huds.* 254. *Mart. rust. t.* 61. *Lightf.* 307. *Gou. hort.* 280. Near Montpellier.

Hedera minor. *Riv. mon. t.* 67.

Calyx sublabiate; 3 upper segments equal, 2 lower shorter; hairs articulated. *Corolla*, middlemost segment emarginate; lateral segments shorter than and thice as narrow as the middlemost. *Obs.* 5536.

Native of Europe, from the south to Sweden, and of Madeira.

GLECHOMA *hederacea.* *Phys. journ.* xvii. 562. *Ploucq. bibl.* i. 419.

Hedera terrestris. *Pharm. austriaco-prov.* 41. *succ.* — *Alst.* ii. 146. *Berg.* 521. *Carth.* iv. 161. *Cull.* ii. 145. *Dale* 154. *Geoffr.* iii. 541. *Herm* 514. *Hill* 361. *Lew.* i. 484; *disp. by Rother.* 168; *by Dunc.* 342. *Linn.* 178. *Mead mon.* ii. 59. *Mill. Jos.* 224. *Monro* iii. 127. *Murr.* ii. 174.

Rutty 233. *Schoepf* 96. *Schrod.* 600. *Spielm.* 380. *Vog.* 64.

α *rotundatum.* Leaves cordato-reniform; teeth rounded.

Obs. 5532. Specimen gathered near Worcester.—
Walc. t.

Calamintha humilior, folio rotundiore. *Tourn. paris.* 181. *Dill. ap. Raii syn.* 243.

Chamaeclema vulgare medium. *Vaill. paris.* 33. t. 6. f. 6.

Hedera terrestris major. *Bauh. J.* iii. 855.

Hedera humilis. *Lob. obs.* 336, repr. in *ic.* i. 613,
&

Hedera terrestris. *Ger. by Johns.* 856, and cop in
Park. theatr. 677. *Raii hist.* 567; *syn. ed.* ii. 131.
Sloane cat. 65. In Madeira.

Leaves to 7 tenths of an inch long. *Obs.* 5532.

β *parvifolium.* Leaves cordate; teeth rounded. *Obs.* 394. Near Worcester.

Chamaeclema vulgare minus. *Vaill. paris.* 33. t. 6. f. 5.

*Calamintha humilior, folio rotundiore, cauliculis
erectoribus brevioribus, et foliis minoribus.* *Dill.*
ap. Raii syn. 243.

Chamaecissos. *Fuchs.* 831, c. 336.

Leaves to $\frac{1}{2}$ inch long. *Antherae* abortive. *Obs.* 394. *Obs.* 5536. Specimen gathered near Edinburgh.

δ *grandifolium.* Leaves cordato-reniform, from 1 to $1\frac{1}{2}$ inch long; teeth rounded. *Obs.* 5534. Specimens in two old herbals collected in England.

Chamaeclema vulgare majus. *Vaill. paris.* 33. t. 6. f. 4.

Lamium III peregrinum. *Clus. pann.* 597, repr.
in

GYMNOSPERMIA. 608. Dracocephalum. 329

Lamium pannonicum III. *Clus. hist.* ii. 38, and
Ger. by Johns. 704.

Leaves, teeth transversely semi-oblong, sometimes
emarginate. *Obs.* 5534.

cordifolium. (Variation.) *Leaves* cordate; teeth
acute. *Obs.* 5531. Specimen gathered near Wor-
cester.—*Huds. β. Bot. arr.* 604 β

Chamaeclema majus hirsutius. *Vaill. paris.* 33.

Hedera terrestris montana. *Dill. ap. Raii syn.* 243.

Chamaecissos, seu *Hedera terrestris.* *Trag.* 799.

Stem sometimes $2\frac{1}{2}$ feet long. *Leaves* to $1\frac{1}{2}$ inch
long. *Obs.* 5531.

608. DRACOCEPHALUM.

Calyx semiquinquefid. *Corolla*, throat inflated.
Obs. 193. *L. Tourn.*

1. DRACOCEPHALUM *ternatifolium.* Flowers spi-
cate. *Leaves* ternate. *Obs.* 193. In a garden.

D. canariense. *L. sp.* 829. *Hort. kew.* ii. 317.

Dracocephalo affinis americana trifoliata, *terebinthinae*
odore. *Volk.* 145. *t.* 145.

Cedronella canariensis viscosa, *foliis ex eodem pedi-*
cello ternis. *Commel. Casp. hort.* ii. 81. *t.* 41.

Camphorosma. *Hist. ox. s.* 11, *t.* 11. *row.* 3. *f.*
the last.

Melissa forte canariana triphyllos, *odorem camphorae*
spirans penetrantissimum. *Pluk. phyt. t.* 325. *f.*

5. No fructifications.

Calyx, ribs 15; segments ovate. *Obs.* 193.

MELISSA *canariensis.* *Carth.* iii. 99. *Murr.* ii.
157.

Moldavica. *Lew.* ii. 112.

Melissa canaria. *Linn.* 184.

609. LAMIUM.

Calyx quinquefid. *Corolla*, upper lip entire, vaulted; lower lip tripartite: lateral segments very short, dentate; middlemost segment bifid. *Obs.* 5665. *L.*

1. LAMIUM *purpureum*. Leaves cordate, obtuse, obtusely crenate, petiolate. Lateral segments of the lower lip of the corolla with 1 tooth on each side; margin of the upper lip entire. *Obs.* 5665. On ditch banks.—*Hort. kew.* ii. 297. *L. suec. n.* 521; *sp.* 809; *mant. t.* 534. *Bot. arr.* 605. *Curt. lond.* i. 42. *t. Walc. t. Mart. rust. t.* 25. *Smith brit.* 627; *engl. t.* 769. *Fl. dan. t.* 523.
 - L. purpureum foetidum*, folio subrotundo, sive Galeopsis Dioscoridis. *Tourn. paris.* 206. *Boerh. i.* 157. In Holland.
 - Galeopsis minor*. *Riv. mon. t.* 62.
 - Galiopsis*, sive *Urtica iners* folio et flore minore. *Bauh. J. iii b.* 323. No fig.
 - L. rubrum*. *Raii hist.* 559; *syn.* 240. *Ger. by Johns.* 703, repr. from
 - Urtica iners altera*. *Dod.* 153, repr. in
 - Urtica non mordax vulgaris foetens purpurea*. *Lob. ic. i.* 520, & cop. in
 - L. vulgare*, flore rubro. *Park. theatr.* 605, and
 - Galeopsis purpurea*. *Dalech.* 1248.
- Corolla* $\frac{1}{2}$ inch long; lateral segments with a short

triangular tooth near to the middlemost segment.
Obs. 5665.

LAMIUM rubrum. *Dale* 153. *Geoffr.* iii. 660.
Mill. Jos. 255.

L. purpureum foetidum, folio subrotundo, sive *Galeopsis Dioscoridis*. *Chom.* 598.

Urtica mortua, seu *Galeopsis non maculata*. *Schrod.* 705.

2. *LAMIUM album*. Leaves ovato-cordate, acuminate, acutely serrate. Lateral segments of the lower lip of the corolla with an angle between the tooth and upper lip; middlemost segment obreniform, crenate. *Obs.* 247. On ditch banks.—*L. suec. n.* 520; *sp.* 809; *mant.* 534. *Curt. lond.* ii. 45. *t.* 115. *Walc. t. Mart. rust. t.* 26. *Bot. arr.* 604. *Smith brit.* 626; *engl. t.* 768. *Fl. dan. t.* 594. *Raii hist.* 559; *syn.* 240. *Ger. by Johns.* 702, repr. from

Urtica iners, sive *L. primum*. *Dod.* 153, which cop. in *L. flore albo*. *Park. theatr.* 605, and repr. in

L. sive Archangelica flore albo. *Lob. ic. i.* 520. *Tourn. paris.* 108. *Vaill. paris.* 113.

Lamium. *Fuchs.* 459, c. 178, cop. in

Galeopsis, sive *Urtica iners flore luteo*. *Bauh. J.* iii. b. 323, (name and descr. belonging to *Galeobdolon luteum*.)

Galiopsis, sive *Urtica iners floribus albis*. *Bauh. J.* iii. b. 322. No fig.

Galiopsis. *Trag.* 4.

Galeopsis. *Riv. mon. t.* 62. (*Cam. epit.* 865 is *L. rugosum*.)

Corolla, upper lip obsoletely and irregularly crenate; lower lip, sides reflected. *Obs.* 247.

LAMIUM album. *Berg.* 523. *Dale* 153. *Geoffr.* iii. 657. *Linn.* 179. *Mill. Jos.* 254. *Monro* iii. 154. *Murr.* ii. 178.

Lamium. *Pharm. austriaco-prov.* 44.—*Alst.* ii. 158. *Lew.* ii. 40. *Rutty* 270. *Spielm.* 652. *Vog.* 131.

Urtica iners, sive *Lamium I.* *Chom.* 596.

3. *LAMIUM maculatum.* Leaves cordate, obtusely crenate, rugose, hirsute. Stems hirsute. Whirls multiflorous. Lateral segments of the lower lip of the corolla with a setaceous tooth about the middle. *Obs.* 7414. In Mr. Knowlton's garden.—*L. sp.* 809; *a Murr.* 534. *Roth germ.* i. 252. *Raii hist.* 561. *Host* 325. *Donn* 143.

L. montanum campoclarense. *Col. ecphr.* i. t. 192, *cop. in*

Lamium montanum Columnae. *Park. theatr.* 605. f. 1.

L. alba linea notatum. *Boerh.* i. 158. *Raii hist.* 560; *eur.* 159. In Italy, and the south of France.

L. montanum, flore ex albo purpurascente, foliis albis maculis nonnihil aspersis. *Tilli pis.* 93.

Galeopsis folio maculato. *Bauh. J.* iii. 322. No fig.

Stem 9 inches long, ascending; hairs jointed, deflex. Leaves crenate; petioles as long as the laminae. Flowers 10 in a whirl. Corolla white; upper lip concave, irregularly crenate, hirsute at the margin; lower lip, lateral segments with a setaceous tooth about the middle, and an obsolete tooth near the middlemost segment; middlemost segment obreniform, obsoletely crenate. Antherae hirsute, tawny. Pollen orange-coloured. Seeds 4, oblongo-cunei-

form, compressed, tetragonous, obliquely truncate at the end. *Obs.* 7414. June to Sept.

MILZADELLA. Dale 153.

Urtica mortua, seu *Galiopsis maculata.* *Schrod.* 705.

44. *LAMIUM laevigatum.* Leaves cordate, rugose. Stem smooth. Calyces nearly glabrous, as long as the tube of the corolla. *Obs.* 8088. Specimen gathered by Dr. Bochner.—*L. sp.* 808, where at l. 2 after longitudine insert tubi, as in *L. a Murr.* 534. *Hort. kew.* ii. 296. *Roth germ.* i. 252.

(*L. purpureum foetidum*, folio parvo acuminato, flore majore. *Pluk. phyt. t.* 198. f. 1, has deltoid leaves, and the tube of the corolla is thrice as long as the calyx.)

Antherae hirsute. *Obs.* 8088.

URTICA iners, flore purpureo. *Geoffr.* iii. 660.

610. GALEOBDOLON.

Calyx quinquefid. *Corolla*, upper lip vaulted, entire; lower lip tripartite; segments acuminate. *Obs.* 5740. *Huds.*

1. *GALEOBDOLON luteum.* *Huds.* 258. *Bot. arr.*

610. *Smith brit.* 631; *engl. t.* 787. *Walc. t.*

G. Galeopsis. *Curt. lond.* iv. 40. t. 223.

Galeopsis Galeobdolon. *L. succ. n.* 525; *sp.* 810; *mant.* 411. *Krock.* ii. t. 23.

Leonurus Galeobdolon. *Scöp. carn. n.* 705. *L. a Willd.* iii. 115.

Leonurus foliis ovatis serratis acutis. *L. succ. ed. i.* n. 497.

Lamium flore luteo. Riv. mon. t. 20.

Lamium luteum. Raii hist. 560; syn. 240. Lob. ic. i. 521, repr. in Ger. by Johns. 702, cop. in Park. theatr. 606, abr. in

Yellow Archangel. Pet. herb. t. 33. f. 6, & repr. in

Urtica iners tertia, sive *Lamium luteo* flore. Dod. 153.

GALEOPSIS, sive *Urtica iners* flore luteo. Tourn. paris. 450. Vaill. paris. 77. Boerh. i. 162. In Holland.—Bauh. J. iii. b. 323. (The fig. *Lamium album*.) Geoffr. iii. 513.

Leucas montana. Dale 153.

611. BETONICA.

Calyx quinquefid; segments spinose. *Corolla*, upper lip slightly bowed back; lower lip trifid. *Stamina* and *pistil* scarcely extending beyond the throat of the corolla. Obs. 3986. L.

1. **BETONICA officinalis.** Upper lip of the corolla entire and emarginate; middlemost segment of the lower lip emarginate. Segments of the calyx subulate, somewhat shorter than the tube; tube glabrous. Spike mostly interrupted. Upper leaves lanceolato-oblong. Obs. 3986. On the side of a road.—Hort. kew. ii. 299. L. sp. 810. Walc. t. Curt. lond. iii. 33. t. 154. Bot. arr. 611. Smith. engl. t. 1142; brit. 632. Woodv. iv. 78. t. 241. Fl. dan. t. 726. Lour. ii. 441.

B. purpurea. Tourn. paris. 320. Vaill. paris. 20. Boerh. i. 154.

B. vulgaris purpurea. Bauh. J. iii. 301, cop. from
Betonica. Fuchs. 345. c. 133, which cop. in Trag.

198. Dalech. 1283. Riv. mon. t. 28. Raii syn.
 238. Dod. 40, repr. in Lob. ic. i. 532, Clus. hist.
 ii. 39, and Ger. by Johns. 714, and cop. in

B. vulgaris flore purpureo. Park. theatr. 614.

BETONICA. Pharm. austriaco-prov. 24.—Alst.

ii. 88. Berg. 524. Carth. iv. 158. Chom. 77.
 147. Dale 151. Geoffr. iii. 183. Herm. 507.
 Lew. i. 213; disp. by Rother. 114. Linn. 179.
 Murr. ii. 158. Schrod. 546. Spielm. 377. Vog.
 54.

B. purpurea. Chom. 354; suppl. 109. Neum. ii.
 182. Ratty 64.

B. sylvestris. Mill. Jos. 85.

612. STACHYS.

Calyx quinquefid. *Corolla*, upper lip vaulted; lower
 lip trifid; lateral segments bent down. *Stamina*
 after shedding their pollen bent sideways. *Obs.*
 3876. L.

1. *Leaves entire.*

1. *STACHYS sylvatica.* Leaves cordate, acute. Six
 flowers in a whirl. *Obs.* 3876. In hedges.—L.
suec. n. 526; *sp.* 811. *Bot. arr.* 612. *Curt. lond.*
 iii. 34. t. 183. *Smith engl. t.* 416; *brit.* 633. *Riv.*
mon. t. 26.

Heraclea. Trag. 5.

Galeopsis procerior foetida spicata. Tourn. paris.
 196. Vaill. paris. 77. Boerh. i. 162.

Galeopsis legitima, Clus. hist. ii. 36, repr. in

Galeopsis vera. *Ger. by Johns.* 704, & *cop. in Galeopsis legitima Dioscoridis. Park. theatr.* 608, does not well express the habit of the plant. Tournefort thinks it is *Lamium laevigatum*.

GALEOPSIS. *Dale* 150. *Geoffr.* iii. 510. *Linn.* 180.

Galiopsis. *Rutty* 213.

Lamium maximum sylvaticum foetidum. *Chom.* 761.

2. *STACHYS germanica.* Lower leaves ellipticocordate, woolly; serratures imbricate. Many flowers in a whirl. Calyces pungent. *Obs.* 8257. Specimen gathered in the Paris garden.—*L. sp.* 812. *Huds.* 259. Found by Richardson 4 miles to the south of Grantham.—*Sibth. ox. n.* 530. *Fl. dan. t.* 684. *Gou. hort.* 283. Near Montpellier.—*Bot. arr.* 613. *Jacq. austr. t.* 319. *Smith brit.* 634. On calcareous soil; *engl. t.* 829.

S. alba latifolia major. *Barrel. t.* 297.

S. montana. *Riv. mon. t.* 27.

Stachys. *Fuchs.* 727. *c.* 293, *imit. in*

Marrubium agreste. *Trag.* 9, & *cop. in*

S. Fuchsii. *Bauh. J.* iii. *b.* 319; near Basle; and *Dalech.* 963. *Raii hist.* 554; *syn.* 239. *Dod.* 91; repr. in *Ger. by Johns.* 530,

S. Dioscoridis. *Lob. obs.* 285; *ic.* i. 530, *ill cop. from*

Pseudostachys. *Dalech.* 963, and *cop. in*

S. major germanica. *Park. theatr.* 48. *Tourn. paris.* 151. *Vaill. paris.* 189. *Boerh. i.* 153.

Native of Germany, Switzerland, France, Oxfordshire, and the south of Lincolnshire.

STACHYS. *Boerh. i.* 217. *Geoffr. suite iii.* 118.

3. *STACHYS recta*. Leaves lanceolate and oblongo-elliptic, crenato-serrate, scabrous. Racemi verticillate. *Obs.* 5515. Specimens gathered in Champagne.—*L. mant.* 82. *Hort. kew.* ii. 302. *Jacq. austr. t.* 359. *Roth germ.* i. 256; ii. pars ii. 31.

Sideritis vulgaris hirsuta erecta. *Boerh.* i. 171.

Sideritis hirsuta procumbens. *Tourn. paris.* 534.

Vaill. paris. 184.

Sideritis flore luteolo Rivini et officinarum. *Rupp. ab. Hall.* 231.

Syderitis pannonica spicato flore. *Clus. pann.* 599.

No fig.

Sideritis l. *Clus. hist.* ii. 39, repr. in

Sideritis vulgaris. *Ger. by Johns.* 697. *Raii hist.* 563.

Sideritis prima. *Fuchs.* 730, c. 296, cop. in

Sideritis vulgaris hirsuta. *Bauh. J.* iii. 425, &

Tetrahit. *Dalech.* 1119.

Leaves lanceolate. *Obs.* 5512. Specimen from

Prof. Jos. F. Jacquin.—Leaves oblongo-elliptic.

Corolla upper lip entire. *Obs.* 5515.

Native of Italy, Hungary, Germany, and France.

SIDERITIS. *Dale* 154. *Geoffr. suite* iii. 41.

Sideritis flore luteolo. *Dale* 154.

4. *STACHYS palustris*. Leaves cordato-lanceolate.

Flowers from 6 to 10 in a whirl. *Obs.* 541. In

moist ground.—*L. succ. n.* 528; *sp.* 811. *Curt.*

lond. iii. 35. *t.* 208. *Lightf.* 313. *Riv. mon. t.* 26.

Bot. arr. 613. *Smith brit.* 633; *engl. t.* 1675.

Park. theatr. 1231, cop. the separate flowers and tubera of the root omitted, from

Panax coloni. *Ger. by Johns.* 1005.

Galeopsis palustris, betonicae foliis, flore variegato.

Tourn. paris. 196. *Vaill. paris.* 77. *Boerh. i.* 162.

Sideritis anglica, strumosa radice. Park. theatr. 587. *Raii hist.* 563; *syn.* 242.

Clymenum minus. Dalech. 1357.

S. aquatica. Tab. ic. 377.

Leaves, lower petiolate, upper nearly sessile. Obs. 541.

STACHYS palustris. L. am. v. 67.

S. palustris foetida. Chom. 761; *suppl.* 203.

Panax coloni. Dale 150.

Panax coloni Gerardi. Mill. Jos. 327,

Galeopsis angustifolia foetida. Geoffr. iii. 512.

5. *STACHYS annua.* Leaves trinervose, nearly glabrous, elliptic and lanceolate. Flowers 6 in a whirl. *Obs.* 5514. Specimen from M. Broussonett.—*L. sp.* 813; *mant.* 411. *Hort. kew.* ii. 303. *Jacq. austr.* iv. t. 360.

S. Betonica. Crantz. austr. iv. 264.

Betonica verticillata, calycibus spinosis. L. ups. 165.

Betonica arvensis, annua, flore ex albo flavescente. Tourn. paris. 248. *Vaill. paris.* 21.

Sideritis arvensis latifolia glabra. Bauh. Casp. pin. 233. *Vaill. paris.* 184. *Boerh. i.* 171.

Sideritis glabra arvensis. Bauh. J. iii. 427.

Sideritis arvensis glabra, flore pallido. Bauh. Casp. phytop. 441.

Alyssum majus. Tab. ic. 929, *cop. in*

Sideritis latifolia glabra. Ger. by Johns. 699.

(*Sideritis* II. *Matth.* 1003, not the plant as J. Bauhine justly observed.)

SIDERITIS. Vog. 138.

Sideritis arvensis latifolia glabra. Dale 154.

Sideritis arvensis glabra, flore albo. Bocc. piante 37.

2. *Leaves divided.*

6. STACHYS *triloba*. Leaves trilobate; upper lanceolate. Obs. 1005. On a dunghill near Worcester.

Leonurus Cardiaca. *L. suec. n.* 532 who marks it as biennial; on rubbish and only near houses and villages; *sp.* 817. *Fl. dan. t.* 727. *Bot. arr.* 618. *Smith engl. t.* 286; *brit.* 637. In hedges on gravelly and calcareous soils in several parts of Norfolk and Suffolk;—apparently considering it as indigenous.—*Poll. n.* 571. *Abb.* 131. On the sides of roads.—*Huds.* 261. On rubbish and in hedges in the isle of Selfey near Chichester, and in Yorkshire between Tickhill and Worksop.—*Scop. carn. n.* 703. On rubbish and about gardens.—*Host.* 331.

On rubbish, and in hedges in villages.—*Roth germ.* i. 246. On rubbish and in hedges in villages.

Leonurus foliis caulinis lanceolatis trilobis. *Guett.* ii. 237. Common in the woods of St. Lazard, and on the warren of Villemartin near Estampes.

Cardiaca. *Riv. mon. t.* 20. *Fuchs.* 390. *c.* 149. No fructifications.—*Vaill. paris.* 28. *Bauh. J.* iii. 320. No fig.—*Raii hist.* 571 (mispr. 563); *syn.* 239. On dunghills, and on the outside of gardens.—*Boerh.* i. 180, who marks it as biennial.—*Dalech.* 1249. *Dod.* 94, repr. in *Lob. obs.* 278; *ic.* i. 516, & *Ger. by Johns.* 705, & cop. in *Park. theatr.* 42.

Native of Orleanois in France, and possibly of Norfolk Suffolk and Yorkshire. In general it appears to be the outcast of gardens.

CARDIACA. Berg. 528. Chom. 325. Dale 152. Geoffr. iii. 256. Lew. i. 282. Linn. 180. Mill. Jos. 113. Murr. ii. 180. Raii hist. 572, par. 6 to the end of the chapter. Rutty 96. Schrod. 555. Spielm. 203. Vog. 126.

7. *STACHYS Artemisia.* Leaves pinnatifid. Whirls multiflorous. From Lour. ii. 443.

613. BALLOTA.

Calyx semiquinquefid, with 10 ribs. *Corolla*, upper lip slightly concave. Obs. 4013. L.

Differs from *Marrubium* in the upper lip of the corolla being slightly concave and entire.

1. *BALLOTA nigra.* Leaves ovate. Segments of the calyx acuminate. Obs. 4013. In hedges in Worcestershire and Staffordshire, but rare in the gritstone and limestone districts of Derbyshire.—L. succ. n. 529, near villages; sp. 814, on rubbish.—Bot. arr. 615. Smith engl. t. 46; brit. 635.

Mentha aquatica. Fl. dan. t. 673.

Ballote. Matth. 825. Cam. epit. 572. Matth. a C. B. 601. Dalech. 1253. Tourn. paris. 247. Vaill. paris. 20. Boerh. i. 175. In Holland.

Marrubiastrum. Riv. mon. t. 65.

Ballotte. Dill. ap. Raii syn. 244.

Ballote, sive *Marrubium foetidum.* Fuchs. 154. ed. fol. cep. in 161. c. 56, impr. in

Marrubium nigrum, sive *Ballote.* Bauh. J. iii. b. 319.

GYMNOSPERMIA. 614. Bystropogon. 341

Ballote, seu Marrubium nigrum. *Dod.* 90, repr. in
Lob. obs. 279; & *ic.* i. 518, cop. in

Marrubium nigrum foetidum, Ballote dictum. *Park.*
theatr. 1230, abr. in

Stinking Horehound. *Pet. herb. t.* 32. f. 4, & repr.
in

Marrubium nigrum. *Ger. by Johns.* 701. *Raii hist.*
571; *syn. ed.* ii. 132.

Corolla pinkish purple; upper lip oval, slightly
concave, unequally crenate, villose; lower lip tri-
partite; lateral segments roundish, crenate, slightly
villose; middlemost 4 times larger, transversely
emarginate, glabrous. *Obs.* 4013.

MARRUBIUM nigrum. *Dale* 155. *Geoffr.* iii.
818. *Mill. Jos.* 285. *Rutty* 310. *Schrod.* 621.
Vog. 132.

M. nigrum foetidum, Ballote Dioscoridis. *Chom.*
172; *suppl.* 59.

614. BYSTROPOGON.

Calyx quinquedentate; mouth bearded with bristles
inserted into the margin. *Corolla*, upper lip bifid;
lower trifid. *Obs.* 3051. *Lherit.*

Differs from *Origanum* in the bristles of the calyx
being inserted into the sinuses of the mouth, and not
into the throat as in *Origanum Thymus* and *Melissa*.

1. BYSTROPOGON *suaveolens*. Flowers capitate.
Peduncles trichotomous. Leaves angular, crenate.
Obs. 5528. Specimen gathered in the Vienna
garden.—*L. a Willd.* iii. 72. *Lherit.*

Ballota suaveolens. *L. sp.* 815; *a Murr.* 537.
Swartz. obs. 225. *Jacq. amer.* 172; 8vo, 220;
hort. iii. t. 42.

Mentastrium maximum, flore caeruleo, nardi odore.
Sloane cat. 64; *hist.* i. 171. t. 102. f. 2, the calyces
 apparently in fruit, more crowded than in the spe-
 cimens examined.

Melissa spicata lavandulam spirans major. *Plum. ic.*
 155. t. 163. f. 1. Similar to *Sloane's* fig. Leaves
 cordate.

Erva Cidreia. *Marcgr.* 32. No fig.—*Raii hist.*
 1332.

(*Melissa jamaicensis odoratissima.* *Pluk. alm.* 247;
phyt. t. 306. f. 3, has aggregate axillary pe-
 duncles.)

Calyx, teeth setaceous; ribs 10; margin villose.
Corolla, upper lip bifid; lower lip trifid. *Stamina*
 inserted at the base of the lower lip. *Obs.* 5528.

MESOSPHAERUM. *Browne* 257. t. 18. f. 3.
Calyx and seeds.

Melissae species agrestis. *Pis. ind.* 242. No fig.

615. HYPTIS.

Calyx semiquinquefid; segments equal. *Corolla*, up-
 per lip semibifid; lower lip trifid; middlemost seg-
 ment concave, roundish. *Antherae* pendent. *From*
Jacq. in L. a Schreb.

1. **HYPTIS capitata.** Heads pedunculate, involucrate.
 Bractae lanceolate, as long as the flowers. Leaves
 ovate, dentate. *From L. a Willd.* iii. 84.

Swartz. ind. occid. 1007. *Jacq. ic. t.* 114; *coll. i.* 102.

Clinopodium capitatum. *Swartz. prodr.* 88.

Melissa altissima globularis. *Plum. ic.* 155. *t.* 163. *f.* 2.

Clinopodium. *Browne* 259.

Sideritis spicata, *scrophulariae folio*, flore albo, spicis brevibus habitioribus rotundis pediculis insidentibus. *Sloane cat.* 65; *hist. i.* 174. *t.* 109. *f.* 2.

Scabiosae affinis, *chrysanthemi facie*, *lamii foliis*, americana. *Pluk. alm.* 335; *phyt. t.* 222. *f.* 7.

Calyx with 10 ribs; segments erect, triangular at the base, subulato-aristate above; sinuses bordered by a rib; hairs articulated. *Obs.* 5537. Specimen gathered by Broughton in Jamaica.

CLINOPODIUM rugosum. *Wright in med. journ.* viii. 245.

616. ORIGANUM.

Calyx semiquinquefid; segments equal; throat with a circle of bristles. *Corolla* bilabiate; upper lip semibifid; lower trifid. *Obs.* 3370. *Tourn. L.*

11. *ORIGANUM heracleoticum.* Spikes aggregate, long, pedunculate. Bracteae as long as the calyces. From *L. sp.* 823. *Hort. kew.* ii. 312. *Dalech.* 886. *Matth.* 699, *cop. in Dod.* 284, which repr. in *ed.* ii. 285, *Ger. by Johns.* 666, *Lob. obs.* 262, and

Orega. *Lob. ic. i.* 492, *cop. in*

Origanum heracleoticum verius. *Park. theatr.* 15, and *cop. again in*

Origanum. *Cam. epit.* 466.

Majorana syriaca vel cretica, varietas. *Raii hist.* 538.

Origanum creticum. *Bauh. J.* iii. b. 238. (Name and descr. apparently belong to a drug.)

Majorana sylvestris. *Trag.* 34.

(*O. heracleoticum* *Ruellii*, sive *Majorana major*. *Bauh. J.* iii. b. 237, is described as having flowers in heads.)

ORIGANUM heracleoticum. *Bry.* 139. *Dale* 149.

2. *ORIGANUM creticum*. Spikes aggregate, long, prismatic, straight. Bractee membranaceous, twice as long as the calyx. *L. sp.* 823. *Donn* 79. *Lour* ii. 453.

O. foliis ovatis acutis glabris, venis scabris, spicis tetragonis. *L. mat. med. n.* 300. *Gron. orient.* 75. n. 186.

O. folio subrotundo, flore albo. *Burs. ap. L. am.* i. 320. n. 136.

O. monspeliense pulchrum. *Cam. epit.* 468, cop. in *Bauh. J.* iii. b. 238.

O. Onites dictum. *Besl. aut. ord.* 2. fol. 5. Flowers in corymbose racemi.

ORIGANUM creticum. *Pharm. succ.*—*Berg.* 530. *Dale* 149. *Linn.* 181. *Mill. Jos.* 322. *Murr.* ii. 140. *Spielm.* 286. *Vog.* 73.

3. *ORIGANUM vulgare*. Racemi aggregate, corymbose. Bractee rhombo-elliptic, longer than the calyx. *Obs.* 6013. On dry banks about Matlock bath in Derbyshire.—*L. succ. n.* 534; *sp.* 824. *Curt. lond. v.* 39. t. 338. *Bot. arr.* 621. *Woodv.*

iii. 451. *t.* 164. *Cam. epit.* 469. *Huds.* 262, in calcareous soil.—*Smith brit.* 639. In calcareous and gravelly soils,—*engl. t.* 1143. *Gou. hort.* 288. Near Montpellier.—*Mill. Ph. dict. n.* 1, who remarks that it is sometimes cultivated in gardens and by some called Pot Marjoram.—*Besl. hort. aut. ord.* 2. *fol.* 5.—(*Fl. dan. t.* 658, is *Mentha glomerata* γ.)

α *purpureum*. Bracteae deep brownish purple. *Obs.* 6013.

O. sylvestre, *Cunila bubula* Plinii. *Boerh. i.* 179.

Origanum. Riv. mon. t. 60.

O. sylvestre, seu vulgare. *Tab. ic.* 346. *Fuchs.* 552. *ed. fol. cop. in* 535. *c.* 211, *abr. and impr. in*

Origanum. Trag. 36, and *cop. in*

O. vulgare spontaneum. Bauh. J. iii. 236. *Raii hist.* 539; *syn.* 236. *Tourn. paris.* 217. *Vaill. paris.* 154.

O. vulgare sylvestre. Dalech. 887.

O. sylvestre. Dod. 284, *repr. in*

Agrioriganum, sive *Onitis major. Lob. obs.* 263; *ic.* i. 492, &

O. anglicum. Ger. by Johns. 666, & *cop. in*

Majorana sylvestris. Park. theatr. 12.

O. Onitis galloprovinciae majus. Lob. adv. 211.

No fig.

Leaves ovate, obsoletely and rarely serrate. *Bracteae* oblong and turbinate, to 5 tenths of an inch long.

Corollae purplish rosecoloured; upper lip erect; segments rounded; lower lip patent, somewhat longer; segments roundish; middlemost irregularly crenate,

Stamina erect, 2 upper as long as the upper lip, 2 lower nearly as long as the lower lip. *Obs.*

6013,

ORIGANUM. *Pharm. lond. & noviss.*—*Alst.* ii. 193. *Carth.* iii. 123. *Dale* 148. *Herm.* 449. *Hill* 403. *Lew.* ii. 171; *disp. by Dunc.* 268. *Monro* iii. 189. *Rutty* 368. *Schoepf* 97. *Schrod.* 639.

O. vulgare. *Berg.* 531. *Geoffr. suite i.* 275. *Linn.* 181. *Mill. Jos.* 323. *Murr.* ii. 141. *Pears. R.* ii. 192. *Spielm.* 286.

O. sylvestre, *Cunila*, *Bubula Plinii*. *Chom.* 390. 147.

O. sylvestre. *Vog.* 73.

§ *rufescens*. (Variation.) Bracteae dull purplish brown. Racemi turbinate. *Obs.* 6034. In a garden.

O. Onites. *Dill. ap. Raii syn.* 236. Found by Dale on the left hand of the road from Braintree to Raine beyond the bridge.—*Huds.* 262, on the above authority, and *cop. in Bot. arr.* 622, but not without expressing my belief that it was a variation of *O. vulgare*, and not *O. Onites* of Linnaeus.

O. vulgare spontaneum, floribus ex candido rubentibus. *Vaill. paris.* 154, but it does not appear that he had found it growing spontaneously near Paris.

Hyssopus genuina graecorum, folio origani, umbellato flore. *Lob. adv.* 213. No fig.—*obs.* 264, repr. in

Hyssopus graecorum genuina. *Lob. ic. i.* 494, & *Marjorana major anglica*. *Ger. by Johns.* 664, & *cop. in*

Marjorana latifolia, sive *major anglica*. *Park. theatr.* 12; *par.* 474. *t.* 475. *f.* 1.

Majorana major anglica. *Tab. ic.* 339.

O. vulgare spontaneum, flore rubente cum albedine. *Bauh. J.* iii. 236. No fig.

Leaves thinner and less hirsute than those of *α*.
Racemi to 3 tenths of an inch long. *Corolla*, middle-
 most segment of the lower lip roundish, obsoletely
 crenate. *Obs* 6034.

MAJORANA oleracea. *Dale* 148.

O. Onites. *Bry*. 140.

γ humilis. *O. sylvestre humile*. *Raii hist.* 539.

Boerh. i. 179. *Bauh. Casp. prodr.* 109. About
 Orleans.

ORIGANUM minus. *Geoffr. suite i.* 277.

O. sylvestre humile. *Chom.* 391.

4. *ORIGANUM Maru*. Spikes hirsute. Leaves ovate,
 tomentose, sessile. *L. sp.* 825.

Maru creticum. *Alp. exot.* 289. *t.* 288.

ORIGANUM hispanicum. *Spielm.* 286.

617. AMARACUS.

Calyx bilabiate; upper lip semitrifid; lower lip bifid.

Corolla bilabiate; upper lip semibifid; lower lip
 trifid. *Obs* 5131. *Gled.*

1. *AMARACUS syriacus*. Spikes oblong, in threes,
 pedunculate, villose. Leaves ovate, villose. *From*
L. sp. 824.

Marum syriacum, gracilioribus sarmentis, minoribus
 capitulis & foliis. *Lob. adv.* 213. No fig.—*obs.*
 265, repr. in

Marum syriacum. *Lob. ic. i.* 499, and *Ger. by*
Johns. 670, and cop. in *Dalech.* 885.

ORIGANUM syriacum, *Lour. ii.* 454.

618. MAJORANA.

Calyx with an oblique mouth; mouth obsoletely bilabiate. *Corolla* bilabiate; upper lip emarginate; lower lip trifid. *Obs.* 7516. *Tourn.*

1. MAJORANA *tomentosa*. Spikes solitary. *Obs.* 7516. In Mr. Shore's garden.

Origanum Dictamnus. *Mill. Ph. dict. n.* 10. *L. sp.* 823, but as he characterises it as having only the lower leaves tomentose, Miller conjectures that the plant from which he formed his specific character was Miller's *Origanum hybridinum*, which plant of Miller's is probably *Origanum Tournefortii*.—*Hort. kew.* ii. 311. *Curt. mag. t.* 298. *Lour.* ii. 452. *Woodv.* iv. 80. *t.* 242.

Dictamnus creticus. *Boerh.* i. 178. *Park. theatr.* 27, *cop. from*

Dictamnium verum. *Dod.* 280, which repr. in

Dictamnium. *Lob. obs.* 267; *ic.* i. 502, and

Dictamnium creticum. *Ger. by Johns.* 795.

Dictamnus cretica, seu vera. *Bauh. J.* iii. 253.

Dictamnium cretense. *Cam. epit.* 472. *Matth.* 705.

Stem tomentose. *Leaves* ovato-subrotund, tomentose; petiolate, opposite; margin entire. *Peduncles* hirsutulous below, rufous, with one spike, opposite. *Spikes* oblong, glabrous, slightly nodding, similar to the female spikes of *Humulus Lupulus*. *Bracteae* ovali-subrotund, entire, disposed in 4 rows, concave, patulous, greenish, with reticular veins and scattered shining rufous hemispheric olearia, sometimes 2 a little below the spike and opposite. *Calyces* solitary, nearly sessile, nearly twice as short as the bracteae,

tubular, sprinkled with honeycoloured olearia, below whitish with green lines; mouth oblique, obsolete-ly bilabiate; upper lip broader than and half as long again as the tube, oval; entire at the margin; lower lip very short, consisting of two rounded scarcely projecting teeth with an obtuse shallow sinus between them. *Corolla* fleshcoloured, nearly thrice as long as the calyx; tube twice as long as the calyx, the lower part cylindric, the upper twice as broad, gibbous on the under side; upper lip oval, concave, not arched, straight; lower lip nearly as long as the upper, slightly trifid; segments oblongo-oval, the lateral ones somewhat shorter. *Stamina* fleshcoloured, extended one third beyond the corolla. *Pistil* somewhat shorter than the stamina. *Obs.* 7516.

DICTAMNUS. *Alst.* ii. 129.

D. creticus. *Pharm. austriaco-prov.* 36. *suec.*—*Berg.* 529. *Chom.* 392. *Dale* 148. *Geoffr.* ii. 272. *Herm.* 477. *Lew.* i. 399; *disp. by Rother.* 154; *by Dunc.* 345. *Linn.* i. 399. *Mill. Jös.* 177. *Monro* iii. 90. *Murr.* ii. 139. *Rutty* 167. *Schrod.* 583.

Dittany of Crete. *Neum.* ii. 183.

2. *MAJORANA scutellifolia.* Leaves obovato-subrotund. *Obs.* 7595. In the garden of Saville, who assured me that the root is perennial.—*Obs.* 8771. Specimen in Mr. Knowlton's herbarium from the Lonsborough garden.

Origanum aegyptiacum. *L. sp.* 822. *Hort. kew.* ii. 311. *Hasseltq.* 251. *Mill. Ph. dict. n.* 8.

M. rotundifolia scutellata exotica. *Tourn. inst.* 199; *hort.* 53. *Boerh.* i. 178.

M. cretica odoratissima, quibusdam Marum. *Bauh.*
J. iii. b. 242. No fig.

Origano cognata, *Zatarendi*. *Bauh. Casp. pin.* 223.
 (*Hist. ox. s.* 11. *t.* 3, in flower, has acute sessile leaves.)

Zatarendi. *Alp. aegypt. fol.* 40*. *p.* 1. *cop. in J.*
Bauh.

Plant hoary. *Leaves* oval, and roundish, tomentose; hairs very short. *Spikes* glomerate, subrotundo-oval, tetragonous, terminating the branches and stem, those of the lower branches in fives, those of the upper branches in threes. *Bracteae* roundish, the margin villose, towards the base inflex so as to render them apparently quadrantshaped, obsoletely tridentate at the end. *Calyces* solitary, nearly as large as the bracteae, quadrantshaped, similar to the bracteae; mouth oblique, obsoletely bilabiate; upper lip four times as long as the lower; margin entire; lower lip very short, with 1 and 2 obsolete teeth. *Corolla* white, twice as long as the calyx. *Obs.* 7595.

ZATARENDI herba. *Bauh. J.* iii. a. 256.
 No fructifications.

3. *MAJORANA ovalifolia*. *Leaves* oval, entire at the margin. *Obs.* 7596. In a garden. 16 Oct.

Origanum Majorana. *L. sp.* 825 α ; *a Willd.* iii. 137. *Hort. kew.* ii. 312. *Gou. hort.* 289. *Woodv.* iii. 453. *t.* 165. *Lour.* ii. 454.

Amaracus vulgaris. *Besl. hort. aut. ord.* 1. *fol.* 5.

M. sativa. *Trag.* 33, repr. in

Samsuchus. *Cord. fol.* 148. *p.* 1.

M. sive Marum. *Dod.* 270, repr. in ed. ii. 270,

Sampsuchus, sive *Majorana*. *Lob. obs.* 265,

Amaracus vulgarior, sive *M. nostras*. *Lob. ic. i.* 498, &

Marjorana major. *Ger. by Johns.* 664, *imit. in*

Majorana. *Park. par. t.* 451. *f.* 7, and *cop. in*

M. vulgaris. *Park. theatr.* 33. *Raii hist.* 538. *Boerh. i.* 178.

M. tenuifolia. *Tab. ic.* 340, *repr. in*

Amaracus, sive *M. tenuifolia*. *Matth. a C. B.* 534.

M. vulgaris annua. *Hist. ox. s.* 11. *t.* 3. *row* 1. *f.* 1.

Amaracus, seu *Majorana*. *Dalech.* 882. *Fuchs.* 635. *c.* 259, *cop. in*

Amaracus Fuchsii. *Dalech.* 882, &

M. altera, *majori folio*, *ex semine nata*. *Bauh. J.* iii. *b.* 240.

Stem erect, straight, 14 inches long, purplish, pubescent; hairs bowed in. *Branches* a few short ones at the base; flowering branches patulous, shorter than the stem. *Leaves* oval, decurvate, entire at the margin, slightly pubescent; upper surface apparently glabrous. *Spikes* at the ends and sides of the branches. *Bracteae* roundish and oval, sometimes emarginate. *Calyx* bilabiate, as short again as the bracteae, obcordate; mouth oblique, bilabiate; upper lip 4 times as long as the lower; lower lip with 2 obsolete teeth; teeth very near to the upper lip. *Corolla* not expanded. *Obs.* 7596.

MAJORANA. Sweet Marjoram. *Herb. Pharm. lond.*—*Alst.* ii. 166. *Berg.* 532. *Carth.* iii. 112. *Cull.* ii. 148. *Dale* 148. *Herm.* 451. *Hill* 374. *Lew.* ii. 82. *Linn.* 182. *Mill. Jos.* 280. *Monro* iii. 164. *Murr.* ii. 142. *Ploucq. bibl.* i. 423. *Schrod.* 618. *Spielm.* 277. *Vog.* 65.

Origanum Majorana. *Herb. Pharm. edin.*—*Bry.* 139. *Lew. disp. by Dunc.* 268. *Murr, J. i.* 343. *Pears. R. i.* 112; ii. 192.

M. vulgaris. *Chom.* 388. 147. *Geoffr.* iii. 761.
Rutty 299.

4. MAJORANA *ovatifolia.* Bracteae acute. Leaves ovate, obsoletely serrate. *Obs.* 8772. Specimen from Dr. Heise.

Origanum Majoranoides. *L. a Willd.* iii. 137.

Origanum Majorana. *L. sp.* 825 β

Origano congener Zatarendi. *Raii hist.* 1871, from Zaterhendi. *Vesl.* 189. *t. which abr. in*

Amaracus, sive M. tenuifolia. *Matth.* 727, *cop. in Dalech.* 882, & *imit. in*

Amaracus tenuior. *Lob. obs.* 265, *which repr. in ic. i.* 498, *abr. in*

M. tenuifolia. *Hist. ox. s.* 11, *t. 3. row 1, f. 3, & repr. in*

Marjorana tenuifolia. *Ger. by Johns.* 664. *Raii hist.* 538.

M. tenuior et lignosior. *Bauh. J.* iii. *b.* 241? No fig.

Epimajorana. *Tab. ic.* 340.

(*Origano cognata Zaterendi.* *Hist. ox.* iii. 360. *s.* 11, *t. 3. row 3. f. 17, has sessile leaves.*)

MAJORANA *tenuifolia.* *Dale* 148. *Herm.* 451.

M. nobilis. *Geoffr.* iii. 762.

619. MARRUBIUM.

Calyx with 10 ribs, with 5 and 10 teeth. *Corolla,* upper lip bifid, linear, straight. *Obs.* 360. *L.*

1. *Calyces quinquedentate.* *L.*

1. MARRUBIUM *Alysson.* Leaves wedgeshaped,

with 5 teeth, plaited. Bracteae none. *L. sp.*
815. *H. K.* ii. 304.

M. verticillatum, foliis profunde incisis. *Boerh.* i.
156.

Alysson verticillatum, foliis profunde incisis. *Raii*
hist. 557.

Alysson Galeni. *Clus. hisp.* 387, repr. in *hist.* ii.
35, *Dod.* 89, and *Ger. by Johns.* 465, cop. in

Alyssum Galeni Clusio. *Park. theatr.* 590, & abr.
in

M. album, foliis profunde incisis, flore caeruleo.
Hist. ox. s. 11. *t.* 10. row 1. *f.* 12.

ALYSSUM Galeni, Dale 152.

2. *Calyces decemdentate.*

12. *MARRUBIUM uncinatum.* Calyx tubular; teeth
hooked; setaceous. *Obs.* 360. Near Worcester,
in marle.

M. vulgare. *L. succ. n.* 531; *sp.* 816. *Huds.* 261.
Lightf. 315. *Bot. arr.* 617. *Fl. dan. t.* 1036.
Smith engl. t. 410; *brit.* 636. *Woodv.* ii. 265. *t.*
97. *Clus. hist.* ii. 34, cop. in

M. album vulgare. *Park. theatr.* 44, & repr. in

M. album. *Lob. obs.* 278; *ic.* i. 517, and *Ger. by*
Johns. 693. *Raii syn.* 239. *Dalech.* 961. *Riv.*
mon. t. 66. *Bauh. J.* iii. b. 316, cop. from

Marrubium. *Fuchs.* 590. *fol. ed. cop. in* 563. *c.*
225.

(*M. candidum.* *Trag.* 8, must surely have been
intended for some other plant.)

Calyx tubular, with 10 ribs; teeth whitish brown
at the ends. *Obs.* 360.

MARRUBIUM. *Pharm. lond. noviss.—Alst.* ii.

171. *Cull.* ii. 154. *Geoffr.* iii. 814. *Haen* i. 358.
Herm. 489. *Hill* 362. *Lew.* ii. 89. *Linn.* 180.
Murr. ii. 160. *Ploucq. bibl.* i. 370. *Spielm.* 219.
M. vulgare. *Herb. Pharm. edin.*—*Lew. disp. by*
Dunc. 250. *Murr. J.* i. 190. *Pears. R.* i. 293;
ed. ii. 387.

M. album. White Horehound. *Herb. Pharm.*
lond.—*Berg.* 526. *Carth.* iv. 214. *Dale* 152.
Fordyce, W. fragm. 69. *Forestus referred to in*
Quar. anim. 174. *Heb.* 51. *Mill. Jos.* 284.
Monro iii. 166. *Neum.* ii. 132. *Portal in med.*
comment. i. 216. *Rutty* 308. *Schoepf* 96. *Schrod.*
62l. *Vog.* 66.

M. album vulgare. *Chom.* 172; *suppl.* 58.

Horehouud. *Perciv. T.* ii. 377, and in *Mease mad*
dog 164. *Rush* ii. 128.

620. PHLOMIS.

Calyx angular, dentate and semibifid. *Corolla*, upper
lip vaulted, lower trifid; middlemost segment bi-
lobate; lateral segments much shorter, acuminate.
Obs. 3871. *L.*

1. *PHLOMIS salvifolia.* *Calyx* quinquedentate. *Brac-*
teae lanceolate. *Leaves* ovate, tomentose. *Stem*
shrubby. *Obs.* 3871. In a garden.

P. fruticosa. *L. sp.* 818. *H. K.* ii. 307.

P. fruticosa, salviae folio latiore et rotundiore.
Boerh. i. 160.

P. latifolia capitata lutea grandiflora. *Dill. hort.*
316. t. 237. *f.* 306.

Verbascum IIII, sive sylvestre. *Matth.* 1146, *cop.*
in

Verbascum IIII silvestre. *Dalech.* 1300, which
repr. in

Bouillon IIII sauvage de Matthiol. *Dalech. plantes*
ii. 191.

Verbascum silvestre Matthioli. *Clus. hist.* ii. 28,
repr. in

Verbascum sylvestre alterum. *Dod.* 146;

Verbascum salvifolium fruticosum luteo flore. *Lob.*
obs. 302,

Verbascum 4 Matthioli. *Lob. ic.* i. 560, and

Verbascum Matthioli. *Ger. by Johns.* 767, & cop.
in

Salvia fruticosa lutea latifolia, sive *Verbascum* syl-
vestre quantum Matthioli. *Park. theatr.* 52.
Raii hist. 511. Near Taormina in Sicily.

(*Verbasculum* salvifolium. *Atp. exot.* t. 108, cop.
in

Salvia minor lutea cretica. *Park. theatr.* 52, must
surely be a distinct species.)

Calyx, angles 5; ribs 10; teeth 5, setaceous. *Obs.*
3871.

PHLOMIS. *Dale* 140.

2. *PHLOMIS octodentata.* Calyces obliquely truncate,
octodentate. Leaves lineari-lanceolate, obsoletely
serrate. *Obs.* 5488. Specimen gathered in the
Vienna garden.

P. zeylanica. *L. sp.* 820; *a Murr.* 539; *mant.* 412.
Jacq. ic. i. t. 111. *H. K.* ii. 308.

Leonurus indicus. *L. sp.* 817.

Clinopodium hyssopi latioribus foliis, maderaspata-
num. *Pluk. phyt.* t. 164. f. 2.

(*Cardiaca*, sive *Leonurus hyssopi hirsutis foliis, ma-*
deraspata, floribus dilute rubris, unico tantum

verticillo in ramulorum cymis. *Pluk. alm.* 81; *phyt. t.* 118. *f.* 4, is represented as having the stem and leaves hairy.)

Cardiaca minor annua americana, flore argenteo. Pluk. alm. 81; *phyt. t.* 80. *f.* 7, has serrate leaves and is described as from America.)

Stem and leaves microscopically pubescent. Obs. 5488.

HERBA ADMIRATIONIS. Rumph. vi. 39. *t.* 16. *f.* 1.

621. THYMUS.

Calyx bilabiate; upper lip semitrifid, lower bifid; throat with a circle of hairs. *Corolla* bilabiate; upper lip flat, semibifid, lower trifid; segments entire. *Obs.* 4755. *L.*

1. *THYMUS Serpyllum.* Flowers in heads. Stems creeping. Leaves flat, obtuse, ciliate at the base. *L. suec. n.* 535; *sp.* 825. *Bot. arr.* 623. *Curt.* ii. 47. *t.* *Woodv.* ii. 301. *t.* 110. *Huds.* 262. *Lightf.* 318. *Smith brit.* 639; *engl. t.* 1514. *Fl. dan.* *t.* 1165.

Serpyllum flore minore. Riv. mon. t. 42.

Serpillum vulgare minus. Tourn. paris. 148. *Vaill. paris.* 183. *t.* 32. *f.* 7.

Serpyllum. Fuchs. 251. *fol. ed. cop. in* 253. *c.* 94, *imit. in Trag.* 40, *and cop. in*

Serpyllum vulgare. Bauh. J. iii. *b.* 268. *Raii syn.* 230. *Dod.* 277, *repr. in Ger. by Johns.* 570,

Serpillum. Lob. obs. 230, *and*

Serpillum, et Saxifraga Dodonaei. Lob. ic. i. 423, *and cop. in*

Serpillum minus vulgare. *Park. theatr.* 8.

Serpyllum Matthioli. *Dalech.* 903, lowermost fig.

SERPYPILLUM. *Pharm. austriaco-prov.* 67: *suec.*

—*Abst.* ii. 228. *Berg.* 534. *Dalech.* 143. *Geoffr.*

suite iii. 31. *Hill.* 367. *Lew.* ii. 435; *disp. by*

Dunc. 348; *by Rother.* 242. *Linn.* 182. *Mill.*

Jos. 411. *Monro* iii. 282. *Murr.* ii. 126. *Rutty*

482. *Schoepf* 97. *Spielm.* 298.

Serpillum. *Cārth.* iii. 123. *Herm.* 452. *Schrod.*

681. *Vog.* 84.

T. vulgaris. *Bry.* 144. *Pears. R.* i. 92.

Serpyllum vulgare majus. *Chom.* 375. 147.

β major. Larger than α. *Obs.* 1530. In gardens.—

L. sp. β. Bot. arr. β. Broadleaved.

Serpillum vulgare majus, flore purpureo. *Tourn.*

paris. 148. *Vaill. paris.* 183. *t.* 32: *f.* 9.

Serpillum vulgare majus. *Boerh.* i. 155. *Dill. ap.*

Raii syn. 231. Found by Petiver in Okey hole
in Somersetshire.

Serpyllum Matthioli. *Dalech.* 903; upper fig.

Thymum latifolium. *Lob. ic.* i. 424, *repr. in Ger.*

by Johns. 573, and *cop. in*

Serpillum majus. *Park. theatr.* 7, &

Upright broad Thyme. *Pet. herb. t.* 31. *f.* 3.

SERPYPILLUM verum. *Dale* 143.

Serpillum vulgare majus, flore purpureo. *Boecl. ap.*

Herm. 453.

ε citratus. Leaves yellowish green, of a scent somewhat
resembling that of lemon peel. *Obs.* 4757. In a
garden.

T. Serpyllum. *L. sp. ε. Bot. arr.* 624 ε. *Smith
brit.* 610 ε

Serpillum foliis citri odore. *Boerh.* i. 155.

Serpyllum citratum. *Raii syn.* 231. On hills, es-
pecially in Kent, but rather rare.

Serpillum pannonicum L. *Clus. pann.* 626, repr. in *hist.* i. 359, &

Serpillum citratum. *Ger. by Johns.* 571, & cop. in

Serpillum pannonicum Clusii. *Park. theatr.* 8.

Lemon Thyme. *Pet. herb. t.* 31. f. 4.

Calyx bilabiate; upper lip recurvate, lower slightly incurvate. *Corolla* purplish pink; upper lip emarginate, lower trifid; lateral segments oval, middlemost oblong. *Stamina* none. *Obs.* 4757.

THYMUS citratus. *Lew.* ii. 435. *Monro.* iii. 282.

Serpillum citratum. *Dale* 143. *Geoffr. suite* iii. 30.

Rutty 516.

Serpillum foliis citri odore. *Alst.* ii. 228. *Boeckl. ap.*

Herm. 453. *Chom.* 376.

2. *THYMUS vulgaris.* Whirls spicate. Leaves revolute at the margin. Stem erect. *Obs.* 4755. In Sir H. Hunloke's garden.—*L.* sp. 825. *Hort. kew.* ii. 313.

α angustifolius. Leaves lanceolato-elliptic. *Obs.* 643. In a garden.—*L. α.* *H. K. α.*

Thymus. *Fuchs.* 784. c. 320, cop. in *Träg.* 43, &

Thymum vulgare rigidius, folio cinereo. *Bauh. J.* iii. b. 263.

THYMUS. *Pharm. austriaco-prov.* 17. *succ.*—

Alst. ii. 237. *Dale* 143. *Herm.* 453. *Hill* 367.

Mill. Jos. 437. *Murr.* ii. 124. *Spielm.* 300. *Vog.* 87.

T. vulgaris. *Berg.* 536. *Carth.* iii. 117. *Lew. disp. by Rother.* 257; *by Dunc.* 348. *Linn.* 182. *Rutty* 516.

Thymum minus. *Geoffr. suite* iii. 188. *Lew.* ii. 434.

T. vulgaris folio tenuiore. *Chom.* 374. 147.

β *latifolius*. Leaves elliptico-ovate. *Obs.* 4755. *L.*
β. *H. K.* β

T. vulgaris. *Woodv.* ii. 299. *t.* 109.

Thymum durius *Plinii*. *Lob. ic.* i. 425, repr. in

Thymum durius. *Dod.* 275, and *Ger. by Johns.*
573, and cop. in *Park. theatr.* 7.

THYMUS vulgaris folio latiore. *Boecl. ap. Herm.*
454.

T. vulgaris latiore folio. *Carth.* iii. 117. *Chom.*
147. 374.

Thymum vulgare. *Geoffr. suite* iii. 187.

3. *THYMUS Mastichina*. Whirls spicate. Segments
of the calyx setaceo-subulate, villose. *Obs.* 6140.
Specimen from Mr. Ballard's garden.—*L. sp.* 827;
mant. 413. *Hort. kew.* ii. 315.

Mastichina. *Boerh.* i. 156.

Marum vulgare, *Clinopodium*. *Dod.* 271, repr. in
Tragoriganum I. *Clus. hist.* i. 355,

Marum. *Lob. ic.* i. 499, and *Ger. by Johns.* 670,
& cop. in

Marum vulgare. *Park. theatr.* 12.

Clinopodium quibusdam, *Mastichina gallorum*. *Bauh.*
J. iii. 245.

Marum verum vulgo Mastic. *Dalech.* 885.

THYMUS Mastichina. *Bry.* 145.

Marum Mastich. *Geoffr.* iii. 824.

Marum. *Alst.* ii. 173. *Dale* 143. *Mill. Jos.* 286,
Rutty 310.

Marum vulgare. *Lew.* ii. 92.

4. *THYMUS Tragoriganum*. Flowers verticillate.
Stem fruticose, erect. Leaves hispid, acuminate,
L. a Murr. 542; *mant.* 84.

Tragoriganum II altera species. *Clus. hist. i. 355, repr. in*

Tragoriganum cretense apud venetos. *Lob. ic. i. 493, &*

Tragoriganum cretense. *Ger. by Johns. 668, and cop. in*

Tragoriganum creticum. *Park. theatr. 17.*

TRAGORIGANUM. *Alp. exot. 79. t. 78. Dale 144.*

5. THYMUS *bidentatus*. Flowers verticillate, nearly sessile. Leaves elliptic, acute, with few serratures, dotted. *Obs. 5258. Specimen from Prof. Jos. F. Jacquin.*

Melissa floribus verticillatis subsessilibus secundum longitudinem caulis. Grön. virg. 90.

Mentha exigua. L. sp. 806. Smith in l. t. 38.

Leaves dotted. Calyx gibbous underneath. Obs. 5258.

CUNILA *pulegioides. L. a Murr. 67; sp. 30.*

Hort. kew. i. 35. Smith in lin. tr. iii. 22.—Schoepf 6.

6. THYMUS *gibbosus*. Flowers verticillate. Peduncles with 1 flower. Leaves acute, serrate, without dots. Calyx gibbous underneath. *Obs. 5257. 4 Oct. 1797. Specimen gathered in Surry, on chalk.—Obs. 8262. Specimen gathered in Dove dale in Derbyshire, on limestone. I have never seen it on the sand and gravel of Worcestershire, Warwickshire, Staffordshire, Derbyshire, and Nottinghamshire.*

T. *Acinos. L. suec. n. 536, on dry gravelly hills; sp. 826, on dry gravel and chalk.—Huds. 263. On dry hills of gravel and chalk.—Curt. lond.*

i. 43. t. Bot. arr. 624. Smith engl. t. 411, which I did not examine till Dec. 1797;—brit.

641. Fl. dan. t. 814. Hairs not expressed.

Calamentum montanum. Trag. 37.

Ocimastrum. Fuchs. 851. c. 343, cop. in

Acinos multis. Bauh. J. iii. b. 259. Raii syn. 238.

Ocimum sylvestre Acinos. Dod. 279, repr. in

Clinopodium vulgare, odore pulegio jucundiore. Lob. obs. 270,

Clinopodium vulgare. Lob. ic. i. 506, &

Ocimum sylvestre. Ger. by Johns. 675, and cop. in

Small wild Basil. Pet. herb. t. 32. f. 10, &

Clinopodium minus, sive vulgare. Park. theatr. 21.

ACINOS. Riv. mon. t. 43.—Dale 151.

7. THYMUS *alpinus*. Flowers verticillate, 6, in a whirl. Leaves rather obtuse; concave, somewhat serrate. L. sp. 826. Hort. kew. ii. 314. Jacq. austr. i. 60. t. 97. Curt. lond. under T. Acinos remarking that the flowers are larger than those of T. Acinos.

Clinopodium foliis ovatis acutis serratis, flore folio majori. Hall. hist. n. 238.

Clinopodium montanum. Bocc. piant. t. 45. Leaves represented as acute and entire at the margin.

Clinopodium austriacum. Clus. pann. 623, repr. in hist. i. 353, Ger. by Johns. 676, cop. in Park. theatr. 21, & a branch cop. in

Acini pulchra species. Bauh. J. iii. b. 260, outer fig. Inner fig. with serrate leaves.

CLINOPODIUM. Vog. 98.

622. MELISSA.

Calyx bilabiate; upper lip with 3 divisions, lower with 2; throat pilose. *Corolla*, upper lip semibifid, lower trifid; middlemost segment emarginate. *Obs.* 5860. *L.*

Differs from *Thymus* in the middle segment of the lower lip.

1. MELISSA *Calamintha*. Panicles axillary, dichotomous. Lower lip of the calyx twice as long as the upper. *Obs.* 3459. Specimen gathered near Worcester, on marle.—*L. sp.* 827. *Gou. hort.* 291. *Bot. arr.* 626.

Thymus Calamintha. Scop. carn. n. 733. *Smith brit.* 641; *engl. t.* 1676.

Calamentha. Riv. mon. t. 46.

Calamintha vulgaris, vel officinarum germaniae. Tourn. paris. 405. *Vaill. paris.* 26. *Boerh. i.* 175.

Calamintha flore magno vulgaris. Bauh. J. iii. b. 228.

Common Calamint. *Pet. herb. t.* 34. *f.* 1.

Calamintha montana vulgaris. Besl. hort. aest. ord. 7. *fol.* 7. *Lob. obs.* 274, *repr. in ic.* 513, *abr. from*

Calamintha. Matth. 716, *repr. in*

Calamintha montana. Dod. 98, &

Calamintha vulgaris officinarum. Ger. by Johns. 687, & *cop. in*

Calamintha vulgaris. Park. theatr. 36. *Raii syn.* 243.

CALAMINTHA. Alst. ii. 95. *Herm.* 471. *Murr.* ii. 130. *Schrod.* 551. *Spielm.* 242. *Vog.* 57.

Calamintha vulgaris. Geoffr. iii. 238. *Lew. i.* 250. *Mill. Jos.* 101.

Calamintha montana. *Pharm. austriaco-prov.* 25.—
Dale 154. *Linn.* 183.

Calamintha vulgaris, vel *officinarum germaniae.*
Chom. 370; *suppl.* 114.

2. MELISSA *Nepeta.* Panicles axillary, dichotomous, longer than the leaves. Calyx scarcely bilabiate. *Obs.* 7597. In Saville's garden.—*L. sp.* 828. *Bot. arr.* 626. *Curt. lond.* vi. t. 40.

Thymus Nepeta. *Smith brit.* 642; *engl. t.* 1414.

Calamentha folio incano. *Riv. mon. t.* 47.

Calamintha pulegii odore, sive *Nepeta.* *Vaill. paris.* 26.

Calamintha flore minore, odore *pulegii.* *Bauh. J.* iii. b. 229.

Calamintha odore pulegii. *Raii hist.* 569; *syn.* 243.
Ger. by Johns. 687, repr. from

Calamintha altera odore gravi pulegii foliis maculosis.
Lob. obs. 275, which repr. in *ic. i.* 513, abr. from

Calamintha montana. *Matth.* 617, and repr. in

Pulegium sylvestre, sive *Calamintha altera.* *Dod.* 98, a branch of which cop. in

Calamintha minor incana. *Park. theatr.* 37.

Stem 20 inches long, hirsute, branched from the base. *Branches* patent. *Leaves* ovate, acute and obtuse, distantly serrate, slightly hirsute. *Panicles* secundose. *Calyx* striate, scarcely bilabiate; throat closed by hairs; upper lip trifid, segments triangular, patulous; lower lip bipartite, segments triangulari-subulate, patulous. *Corolla* whitish purple, pubescent, twice as long as the calyx; tube hairy within; upper lip oblongo-subrotund, straight, emarginate, keeled; segments rounded; lower lip somewhat longer, patent, trifid; segments roundish,

middlemost twice as large, with 3 purple streaks or spots at the base, erose and curled at the margin. *Stamina*, 2 upper twice as short as the lower. *Obs.* 7597.

Native of Italy, France, Germany, Holland, Cambridgeshire, and Oxfordshire.

MELISSA *Nepeta*. *Schoepf* 97. *Spielm.* 242.

Calamintha. *Dale* 154. *Monro* iii. 35.

Calamentha officinalis. *Mill. Jos.* 102.

Calamintha pulegii *odore*. *Geoffr.* iii. 239. *Lew.* i. 249.

Calamintha pulegii *odore*, sive *Nepeta*. *Chom.* 370; *suppl.* 114.

3. *MELISSA grandiflora*. Peduncles axillary, dichotomous, shorter than the leaves. Lips of the calyx nearly equal. *Obs.* 3461. *L. sp.* 827. *H. K.* ii. 316. *Curt. mag. t.* 208.

Thymus grandiflorus. *Scop. carn. n.* 732.

Calamintha magno flore. *Boerh.* i. 175.

Calamintha montana. *Cam: hort.* 32. In the mountains of the Veronese and Vicentine territories.

Calamintha montana, *flore magno ex calyce longo*. *Bauh. J.* iii. b. 229, *cop. from*

Calamintha montana præstantior. *Lob. obs.* 274, which repr. in *ic.* i. 512, *Ger. by Johns.* 687, and *abr. in Park. theatr.* 37. *Besl. hort. aest. ord.* 7. *fol.* 7. *Raii hist.* 569. In mountainous woods of Tuscany, and on mountains near the Grande Chartreuse.

Calyx, ribs 11; upper lip trifid, recurvato-patent, lower bipartite, straight, slightly incurvate. *Corolla* inflated as in *Dracocephalum* and *Moldavica*, pur-

plish rosecoloured; upper lip straight, recurvate at the sides. *Obs.* 3461. 5860.

CALAMINTHA magno flore. *Dale* 154. *Geoffr.* iii. 239. *Lew.* i. 250. *Rutty* 78.

4. *MELISSA cretica*. Racemi terminal. Peduncles solitary, very short. *L. sp.* 828; *a Murr.* 543.

Hort. kew. ii. 316. *Mill. Ph. dict. n.* 6.

Calamintha pulegii odore minor. *Barrel t.* 1166.

Leaves sessile. Peduncles aggregate.

Calamintha clinopodii austriaci foliis, odore pulegii.

Pluk. alm. 75; *phyt. t.* 163. f. 4. Peduncles aggregate.

Calamintha secunda incana. *Lob. obs.* 275, repr. in *ic.* i. 514, cop. in *Dalech.* 906, repr. in

Calamintha montana vulgaris. *Ger. by Johns.* 687, & cop. in

Calamintha minor incana. *Park. theatr.* 37, the entire plant.

Calamintha montana incana minor. *Tab. ic.* 351.

Calamintha cretica. *Cam. hort.* 33.

MELISSA cretica. *Lour.* ii. 446.

5. *MELISSA officinalis*. Corymbi axillary, nearly sessile. *Obs.* 3458. In a garden.—*L. sp.* 827.

Scop. carn. n. 739, who asserts that the throat is not closed by hairs. About Quelb and Trieste.—

Hort. kew. ii. 315. *Woodv.* iii. 398. t. 147, not well done.

M. hortensis. *Boerh.* i. 167.

Melissophyllum, sive *Apiastrum adulterinum*. *Fuchs.* 483, c. 191, cop. in

M. vulgaris, odore citri. *Bauh. J.* iii. b. 232.

M. vulgaris. *Trag.* 13. No fructifications.—*Park. theatr.* 40, cop. from

Apiastrum, sive *Melissophyllon*. *Lob. obs.* 277,
which repr. in

Apiastrum. *Lob. ic.* i. 514, &

Melissa. *Dod.* 92, *Ger. by Johns.* 689, abr. in
Park. par. t. 481. f. 3, and badly imit. from

Melissophyllum Matthioli. *Dalech.* 957.

Calyx, throat with hairs on the inside. *Obs.*
3458.

MELISSA. *Balm. Herb. Pharm. lond.—Alst.*
ii. 179. *Dale* 155. *Geoffr. suite* i. 2. *Heb.* 3.
Herm. 457. *Hill* 360. *Lew.* ii. 99. *Mill. Jos.*
290. *Monro* iii. 168. *Quar. febr.* 172. 207. 376.
382. 404; *anim.* 206. 207. *Rutty* 320. *Schrod.*
622. *Spielm.* 279. *Vog.* 68.

M. officinalis. *Leaves. Pharm. edin.—Lew. disp.*
by Dunc. 252. *Pears. R.* ii. 187.

M. citrata. *Linn.* 183.

M. citrina. *Berg.* 537. *Carth.* iii. 95. *Murr.* ii.
127.

Baum. Rush. i. 113.

Balm. Darw. ii. 194. *Fordyce, G. fev.* iii. 215.
Pears. R., ed. ii. 289. *Pringle* 132. *Rush* iii.
285; v. 120.

Melisse. *Chom.* 157; *suppl.* 52.

6. **MELISSA glomerata.** Flowers in roundish heads
and whirls. Bracteae setaceous. *Obs.* 361. Near
Worcester.

Clinopodium vulgare. *L. suec. n.* 533; *sp.* 821.
Fl. dan. t. 930. *Bot. arr.* 620. *Smith. brit.* 638;
engl. t. 1401.

Clinopodium. *Riv. mon. t.* 43. *Cam. epit.* 563.

Clinopodium origano simile. *Raii syn.* 239. *Magn.*
monsp. 71.

Acinos. *Lob. obs.* 269, repr. in *ic.* i. 504, &

Acynos. *Ger. by Johns.* 675; and cop. in

Acinos, sive Clinopodium majus. *Park. theatr.* 22.

Origanum minus. *Trag.* 36.

Clinopodium majus. *Raii hist.* 558.

Clinopodium quorundam, origani facie. *Bauh. J.*

iii. b. 250. No fig. Near Montbeliard, Geneva,

Lyons, Montpelier, and Padua.

Acinus, sive Clinopodium silvestre. *Dalech.* 912,

repr. in

Clinopodium prius. *Dalech.* 931.

Calyx tubular, bilabiate, with 13 ribs, pubescent within, below the base of the upper lip and at the base of the lower lip pilose; throat closed by hairs; upper lip trifid; segments subulato-triangular; lower lip bipartite; segments subulate. *Corolla* purplish pink; upper lip roundish, emarginate, flattish reflexo-erect, lower lip trifid; lateral segments roundish, the intermediate one emarginate. *Obs.* 361.

CLINOPODIUM vulgare. *Lin.* 183. note.

623. MOLDAVICA.

Calyx, upper lip semitrifid, lower bipartite. *Co-*

rolla, upper lip vaulted; throat inflated. *Obs.*

509. *Tourn. Boerh.* i. 168.

1. MOLDAVICA *setosa*. Flowers verticillate. Leaves ovato-oblong, crenate. Bractee with setaceous serratures. *Obs.* 509. In a garden.

Dracocephalum Moldavica. *L. sp.* 830. *Hort. kew.* ii. 318.

Moldavica betonicae folio, flore caeruleo. *Boerh.* i. 168.

Melissophyllum turcicum. *Lob. adv.* 220, repr. in *ic.* i. 515.

Melissa moldavica. *Dalech.* 960. *Cam. epit.* 576.

Melissa turcica alia. *Dalech.* 960.

Melissa turcica multis dicta. *Bauh. J.* iii. b. 234, cop. in

MELISSA turcica. *Park. theatr.* 40. *Ger. by Johns.* 689.—*Berg.* 539. *Linn.* 184. *Murr.* ii. 157.

Melissa peregrina folio oblongo. *Carth.* iii. 99.

624. MELITTIS.

Calyx bilabiate; upper lip semitrifid and semibifid, lower bifid, crenate. *Corolla*, upper lip flat, entire and bifid, lower trifid; middlemost segment crenate. *Obs.* 6305. *L.*

1. *MELITTIS Melissophyllum. L. sp.* 832. *Huds.* 264. In the New forest in Hampshire.—*Bot. arr.* 627. *Scop. carn. n.* 726. *Host* 336. *Mill. J. ill. t. Jacq. austr. t.* 26. *Smith engl. t.* 577, from a plant in Chelsea garden, the root of which was brought by Hudson from Devonshire; *brit.* 643. *Gou. hort.* 293. Near Montpellier.—*Roth germ.* i. 261. Near Jena.

Melissophyllum. Riv. mon. t. 21.

Melissophyllum verum. Vaill. paris. 125.

Melissa humilis latifolia, maximo flore purpurascente. *Tourn. paris.* 493. *Boerh.* i. 167.

Lamium montanum, mellissae folio. Raii hist. 561.

In woods in the western parts of England as about Totnes in Devonshire, and Haverfordwest in Pembrokeshire; and in mountainous woods near Geneva;—*cat. ed. i.* 186; *syn. ed. ii.* 129. *Magn. monsp.* 149. With purple, with flesh coloured, and with white corollae.

Melissa Fuchsii. *Dill. ap. Raii syn.* 242. *Lob. ic.* i. 515, repr. from

Melissophyllum. *Lob. obs.* 277, which repr. in

Melissa Fuchsii, flore purpureo. *Ger. by Johns.* 690, and cop. in

Melissophyllum Fuchsii. *Park. theatr.* 41.

Melissophyllum, sive *Apiastrum verum.* *Fuchs.* 483. c. 191, cop. in

Melissophyllum Fuchsii et Dodonaci. *Dalech.* 958.

Melissa. *Trag.* 12, &

Melissa adulterina quorundam, amplis foliis, et floribus non grati odoris. *Bauh. J.* iii, b. 232. f. 2. In fruit.—f. 1 in flower.

Melissa Tragi. *Magn. hort.* 133.

Herba sacra quorundam. *Dalech.* 1336.

Lamium pannonicum I. *Clus. pann.* 592, repr. in

Lamium pannonicum I, versicolore flore. *Clus. hist.* ii. 37.

Calyx wider than the tube of the corolla, very uncertain in its divisions; lower lip obsoletely bifid; segments obtuse, acutely crenate. *Corolla*, upper lip mostly entire, roundish; lower lip and lower side of the throat dullish purple. *Obs.* 6305. In Mr. Watson's garden.

Native of Carniola, Austria, Switzerland, France, Franconia, Cornwall, Devonshire, Pembrokeshire, Hampshire, and Sussex.

MELISSOPHYLLUM. *Murr.* ii. 131.

Melissa sylvestris. *Geoffr. suite i. 8.*

Melissa Tragi. *Chom. 692.*

Pseudo-Melissa. *Dale 155.*

Lamium Plinii. *Spielm. 653.*

Lamium Plinii officinarum. *Vog. 132.*

625. OCIMUM.

Calyx, upper lip orbicular, lower quadrifid. *Corolla* resupinate, one lip quadrifid, the other undivided.

Filaments, outer with a process from the base. *L.*

1. OCIMUM *gratissimum*. Stem suffruticose. Leaves lanceolato-ovate. Racemi terminal. *L. a Murr. 545; sp. 832; mant. 414. Jacq. coll. iv. 208; ic. iii. t. 495.*

Ocimum zeylanicum perenne odoratissimum latifolium. *Burm. J. zeyl. 174. t. 80. f. 1.*

OCYMUM *gratissimum*. *Lour. ii. 448.*

2. OCIMUM *Basilicum*. Leaves ovate, glabrous. Calyces ciliate. *L. sp. 833. Hort. kew. ii. 320.*

Ocimum caryophyllatum majus. *Boerh. i. 170.*

Ocimum. *Browne 260. Cam. epit. 308.*

Basilicum medium. *Besl. hort. aest. ord. 7. fol. 9.*

Basilica major. *Trag. 31, which repr. in*

O. nigrum. *Cord. fol. 114. p. 2, who describes the leaves as 1½ inch long, imit. from*

O. magnum. *Fuchs. 848. c. 343, which cop. in Bauh. J. iii. b. 246. Raii hist. 541. Ger. by Johns. 673, repr. from*

O. tertium maximum. *Dod. 279, which repr. in*

- O. maximum caryophyllatum ac citratum. *Lob. obs.* 268, & *ic. i.* 503, and a branch without fructifications *cop. in*
- O. maximum. *Park. theatr.* 19. *Dalech.* 679.
- Ocimum. *Dod.* 278, *repr. in*
- O. medium vulgatius. *Lob. obs.* 268,
- O. sive Basilicum medium vulgatius. *Lob. ic. i.* 503, &
- O. medium citratum. *Ger. by Johns.* 673, & *abr. in*
- O. vulgare. *Park. theatr.* 19.
- O. medium Matthioli. *Dalech.* 680.
- O. mediocre. *Fuchs.* 847. *c.* 343, *cop. in*
- O. medium vulgatius et nigrum. *Bauh. J.* iii. *b.* 247, &
- O. medium Fuchsii. *Dalech.* 680.
- O. exiguum. *Fuchs.* 847. *c.* 343, *cop. in*
- Basilica minor. *Trag.* 30, &
- O. minimum. *Bauh. J.* iii. *b.* 247. (The name and descr. O. minimum.)
- BASILICUM.** *Pharm. austriaco-prov.* 23. *succ.* —*Berg.* 540. *Carth.* iii. 100. *Linn.* 184. *Murr.* ii. 155. *Rutty* 58. *Schrod.* 544. *Vog.* 52. 174.
- Basilicon vulgare majus. *Mill. Jos.* 78.
- Ocimum. *Alst.* ii. 192. *Spielm.* 285.
- O. seu Basilicum vulgare. *Geoffr. suite i.* 212.
- O. vulgatius. *Chom.* 368. *Lcw.* ii. 156.
- O. Basilicum. *Bry.* 138. *Dale* 149.
- p* *citratum.* Ocimum citri odore. *Boerh.* i. 170. *n.* 8.
- O. citratum, seu citri odore. *Besl. hort. aest. ord.* 14. *fol.* 2.
- BASILICON** medium citratum. *Mill. Jos.* 78.

3. *OCIMUM minimum*. Leaves ovate, entire at the margin. *L. sp.* 833. *Hort. kew.* ii. 321. *Gou. hort.* 293. *Magn. hort.* 146. *Boerh.* i. 170. *Raii hist.* 541. *Bauh. J.* iii. b. 247. (The fig. which cop. from
O. exiguum. *Fuchs.* 847. c. 343, has serrate leaves.)
O. caryophyllatum. *Dalech.* 681, cop. from
O. minus. *Dod.* 278, a branch of which cop. in *Park. theatr.* 19, and the whole repr. in
O. minus gariophyllatum. *Ger. by Johns.* 673.
O. minimum, sive gariophyllatum. *Park. par.* 450. t. 451. f. 5. Leaves lanceolate.
O. parvum. *Dalech.* 681.
O. minimum caryophyllatum. *Besl. hort. aest. ord.* 7. fol. 10, cop. in
OCIMUM minimum. *Hist. ox.* iii. 407. n. 17. s. 20. row 2. f. 17.—*Chom.* 368.
O. caryophyllatum. *Dale* 149. *Lew.* ii. 156.
O. seu Basilicum minimum. *Geoffr. suite* i. 213.
4. *OCIMUM tenuiflorum*. Leaves ovato-oblong, serrate. Bractæae cordate, reflex, concave. Spikes filiform. *L. sp.* 833. *Hort. kew.* ii. 321. *Sal. R. hort.* 88.
Mentha zeylanica spicata pusilla, angustissimo folio dentato. *Burm. J. zeyl.* 158. t. 70. f. 2. Leaves oblong.
Ocimum maderaspatanum frutescens, gratissimi odoris, flore parvo, caulibus villosis. *Pluk. alm.* 268; *phyt.* t. 208. f. 4. Leaves ovali-elliptic.
BASILICUM agreste. *Rumph.* v. 265. t. 92. f. 2.
5. *OCIMUM scutellarioides*. Corollae falcate. Pedicels branched. *L. mant.* 84; *sp.* 834.
MAJANA rubra. *Rumph.* v. 291. t. 101.

626. *COLEUS*.

Filaments united into a tube, sheathing the style.

Lour. ii. 451.

1. *COLEUS amboinicus*. *Lour.* ii. 452. Upper lip of the corolla quadrifid, lower entire.

Monarda zeylanica. *Burm. Laur. ind.* 12.

Monarda floribus verticillatis, foliis subcordatis, calycibus pilosis involucri longioribus. *L. zeyl. n.* 24.

Jakwanassa. *Herm. zeyl.* 30.

(*Marrubium album amboinicum*. *Rumph. v.* 294.

t. 102, seems a different plant. Spikes naked.

The description of the corolla does not accord with that of *Lour.*)

MARRUBIUM odoratissimum, betonicae folio.

Burm. J. zeyl. 153. *t.* 71. *f.* 1. Spikes leafy.

Upper lip of the corolla linear, bipartite.

Iribeli. *Rhède ix.* 143. *t.* 74. Root and radical leaves.

627. *PLECTRANTHUS*.

Calyx, upper segment larger. *Corolla* resupinate; tube gibbous and calcarate. *Obs.* 2959, & from *L. a Willd. & Lherit.*

1. *PLECTRANTHUS crassifolius*. *Nectarium* gibbous. *Racemi* bracteate. Leaves ovate, fleshy. *Vahl. symb. i.* 44.

- β Leaves cuneato-oblong, with mostly 4 teeth on each side. *From*
OCYUM Zatarrhendi β *Forsk.* 110.

628. SCORODONIA.

Calyx bilabiate; upper lip ovate, lower semiquadrifid.
Corolla ringent; upper lip bipartite; segments distant; lower lip tripartite. *Stamina* longer than the upper lip of the corolla. *Obs.* 538. *Riv.*

1. SCORODONIA *solitaria*. *Obs.* 538. On banks.
Scorodonia. *Riv. mon. t.* 12. (*Cord. fol.* 91, repr. from
Salvia sylvestris. *Trag.* 15, has a galeate upper lip.)
Teucrium Scorodonia. *L. sp.* 789; *mant.* 409. *Curt. lond.* v. 40. *t.* 295. *Gou. hort.* 270. Near Montpellier.—*Bot. arr.* 591. *Lightf.* 303. *Fl. dan. t.* 485. *Smith. engl. t.* 1543.
Chamaedrys fruticosa sylvestris melissae folio. *Tourn. paris.* 70.
Scordium alterum, sive *Salvia agrestis*. *Boerh.* i. 183. In Holland.
S. seu Salvia agrestis. *Raii hist.* 576; *syn.* 245; *Vaill. paris.* 180. *Ger. by Johns.* 662, repr. from
Scordium alterum Plinii. *Lob. obs.* 262; which repr. in *ic.* i. 497, &
Salvia agrestis, sive *Sphacelus*. *Dod.* 289, and cop. in
S. sive Scordium alterum quibusdam, et Salvia agrestis. *Park. theatr.* 111.

Scordotis, sive Scordium folio salviae. *Bauh. J.* iii. b. 293.

SCORODONIA. *Dale* 156. *Geoffr. suite* ii. 429.

Salvia agrestis. *Mill. Jos.* 387. *Rutty* 456.

Scordium alterum, sive Salvia agrestis. *Chom.* 279.

629. SCUTELLARIA.

Calyx bilabiate; lips entire, the upper with a spur rising from the upper side. *Obs.* 562. *L.*

1. SCUTELLARIA *galericulata*. Leaves cordato-lanceolate, distantly crenate; floral leaves crenate. *Obs.* 562. On the side of a ditch.—*L. sp.* 895. *Bot. arr.* 629. *Curt. lond.* iii. 36. t. 155. *Walc. t. Fl. dan. t.* 637. *Smith engl. t.* 523; *brit.* 645.

S. foliis cordato-lanceolatis, crenatis. L. lapp. n. 239.

Scutellaria. *Riv. mon. t.* 77.

Cassida palustris vulgatio, flore caeruleo. *Tourn. paris.* 244. *Vaill. paris.* 31. *Raii syn.* 244.

Tertianaria, aliis Lysimachia *galericulata*. *Bauh. J.* iii. 435.

Lysimachia *galericulata*. *Lob. obs.* 186; repr. in ic. i. 344, and cop. in *Dalech.* 1060. *Ger. by Johns.* 477, cop. in

Gratiola caerulea, sive latifolia major. *Park. theatr.* 221, & abr. in

Hood Mint. *Pet. herb. t.* 31. f. 10.

Leaves, lower remotely crenate, those above sparingly crenate, glabrous above; veins underneath slightly pubescent. Flowers solitary, axillary. Peduncles as short again as the calyx. Bracteae 2 at

the base of each peduncle, setaceous, half as long as the peduncle. *Calyx* tubular, gradually widening; mouth circular with a slight emarginature on each side with an elevated line extending from each emarginature to the base, and at which lines it is easily separable into 2 parts; the upper half with a spur rising perpendicularly and transversely from the upper side about midway between the mouth and the base; spur square, slightly emarginate; becoming larger as the seed advances to maturity, closing when the corolla falls, and containing the seeds as in a capsule, the upper half at length separating and falling off. *Seeds* roundish, scabrous, fulvous. *Obs.* 562.

SCUTELLARIA. *Dale* 155.

Tertianaria. *Geoffr. suite* iii. 166. *Murr.* ii. 182.

Schoepf 98.

Lysimachia caerulea galericulata, vel *Gratiola caerulea.* *Chom.* 468.

2. *SCUTELLARIA altissima.* Leaves cordato-oblong, acuminate, serrate. Spikes nearly without bracteae. *L. sp.* 836.—*Lour.* ii. 445.

630. BRUNELLA.

Calyx, upper lip tridentate and trifid, lower bifid.

Corolla, upper lip entire and with 2 lobes, lower trifid. *Filaments* bifid at the end; one of the branches with an anthera. *Stigma* bifid at the end. *Obs.* 5313. *Juss. Tourn. L. gen. ed.* ii; *phil.* 34.

Prunella. *L.*

1. *BRUNELLA vulgaris.* Leaves petiolate, oblongo-

ovate. Upper lip of the calyx with 3 teeth; lateral teeth as narrow again as the middlemost, laterally patent. *Obs.* 5813.

Prunella vulgaris. *L. sp.* 837; *suec. n.* 540. *Lightf.* 321. *Bot. arr.* 631. *Curt. lond.* iv. 42. *t.* 229. *Walc. t. Fl. dan. t.* 910. *Smith brit.* 646; *engl. t.* 961. *Park. theatr.* 526. No fig.—*Trag.* 310, and

Prunella flore minore, vulgaris. *Bauh. J.* iii. 428, *cop. from*

Prunella. *Fuchs.* 621. *ed. fol. cop. in* 594. *c.* 238. *Raii hist.* 551; *syn.* 238. *Ger. by Johns.* 632, *repr. from*

Brunella. *Dod.* 136. *Ric. mon. t.* 29.

B. major, foliis non dissectis. *Mill. Ph. ic.* 47. 70. *f.* 2.

Consolida minor. *Cam. epit.* 703.

BRUNELLA. *Geoffr.* iii. 218. *Vog.* 115.

Prunella. *Pharm. austriaco-prov.* 58.—*Berg.* 541.

Dale 151. *Lew.* ii. 245; *disp. by Rother.* 221.

Linn. 185. *Mill. Jos.* 358. *Murr.* ii. 181. *Rutty*

411. *Schoepf* 98. *Schrod.* 655. *Spielm.* 390.

Brunelle. *Chom.* 56½; *suppl.* 160.

ANGIOSPERMIA.

631. RHINANTHUS.

Calyx bifid; segments lateral, bifid. *Corolla* bilabiate; upper lip vaulted, compressed, emarginate, lower trifid. A gland at the base of the germen. *Capsule* compressed. *Obs.* 4876. *L.*

1. RHINANTHUS *cristatus*. Leaves obtusely serrate.

Lower lip of the corolla shorter than the upper.

Calyx pubescent at the margin and keels. *Obs.*

4876. In meadows.

R. Crista galli. *L. succ. n.* 542 α ; *sp.* 840. α . *Bot.**arr.* 634. *Poll. n.* 579. *Curt. lond.* v. 43. t. 320.*Smith brit.* 649; *engl. t.* 657. *Fl. dan. t.* 981.*Gou. hort.* 296. Near Montpellier.Rhinanthus. *L. lapp. n.* 248 α Pedicularis pratensis lutea, vel Crista galli. *Tourn.**paris.* 294. *Vaill. paris.* 157.Crista galli foemina. *Bauh. J.* iii. b. 436.Crista galli. *Riv. mon. t.* 92. *Dod.* 546, repr. in*Ger by Johns.* 1071,Crista galli herbariorum. *Lob. obs.* 285, & *ic.* i.529, & *cop. in*Yellow Rattle. *Pct. herb. t.* 36. f. 3, &Pedicularis, sive Crista galli lutea. *Park. theatr.*713. *Raii. hist.* 769; *syn.* *284.Corolla from $4\frac{1}{2}$ to $6\frac{1}{2}$ tenths of an inch long; tube

cut round at the base, the upper half falling off, the

lower permanent, forming a circular border surround-

ing the base of the germen; lower lip one third

shorter than the upper; upper mostly with a purple

spot on each margin just below the emarginature.

Obs. 4876.

Native of Europe from the south to Lapland.

ALECTOROLOPHUS. Dale 195.

632. EUPHRASIA.

Calyx quadrifid; segments equal. Corolla bilabiate;

upper lip emarginate, lower trifid. Antherae cus-

pidate at the end. Capsule of 2 cells. Obs. 5150.
L.

1. *EUPHRASIA officinalis*. Leaves ovate, serrate, lineate. Obs. 364. In pastures.—*L. succ.* n. 543; sp. 841. *Fl. dan. t.* 1037. *Woodv. iv.* 21. *t.* 220. *Bot. arr.* 635. *Walc. t. Curt. lond. v.* 42. *t.* 335. *Smith brit.* 650; *engl. t.* 1416.

E. caule ramoso, foliis ovatis acute dentatis. L. lapp. n. 247.

E. officinarum. Tourn. paris. 194.

E. major, flore amplo ex caeruleo purpurascente. Vaill. paris. 51.

*Euphrasia. Fuchs. 248. c. 92; cop. in Bauh. J. iii. b. 432, and Trag. 328. Riv. mon. t. 90. Dalech. 1167. Raii syn. *284. Ger. by Johns. 663, repr. from*

Eufrasia. Dod. 54, and cop. in

Eufragia vulgaris. Park. theatr. 1329.

(Common Eyebright. *Pct. herb. t.* 36. *f.* 5. is *Scrophularia nodosa*.)

EUPHRASIA. Alst. ii. 138. *Berg. 543. Chom. 416; suppl. 128. Dale 196. Geoffr. iii. 454. Herm. 516. Lew. i. 421; disp. 140. Linn. 185. Murr. ii. 186. Ratty 189. Spielm. 213. Kog. 101.*

Eufragia. Mill. Jos. 194.

Eyebright. Ware ophth. 52. 178.

633. LATHRAEA.

Calyx quadrifid and quinquefid. *Nectarium* glandular, at the base of the lower angle of the germen. Capsule of 1 cell. Obs. 4557. L.

1. LATHRAEA *Squamaria*. Lower lip of the corolla semitrifid. *Obs.* 7042. At the foot of a cluster of sycamores at Fullwood near Sheffield, where it was found by Mr. Salt.—*L. suec. n.* 550; *sp.* 844. *Bot. arr.* 642. *Smith engl. t.* 50; *brit.* 654. *Fl. dan. t.* 136.

Squamariae Orobanche. *Scop. carn.* 438.

Anblatum. *Cord. fol.* 89. *p.* 2. *Tourn. paris.* 387.

Found by Chomel.

Squamaria. *Riv. mon. t.* 89.

Anblatum Cordi, sive Aphyllon. *Bauh. J.* ii. 783.

Raii syn. *288.

Orobanche radice dentata, sive Dentaria Matthioli major. *Park. theatr.* 1363.

Dentaria major Matthioli. *Dalech.* 1296, *imit. in Ger. by Johns.* 1585.

Aphyllon. *Watson in ph. tr. abr. by Hutt.* x. 250.

Near Harefield in Middlesex.

Roots fibrous from the sides of the stems. *Stem* subterranean, branched, succulent, whitish. *Branches* terete, horizontal, erect, patent, deflex, imbricate. *Leaves* succulent, greyish white, opposite, subrotund, sometimes ovato-subrotund, amplexicaul, disposed in 4 rows, glabrous, $1\frac{1}{2}$ tenth of an inch thick. *Scapi* above ground, solitary, terminating the branches, erect, slightly curved, from 3 to 6 inches long, whitish, tinged with pink, pubescent here and there. *Floral leaves* opposite, obovate, thin, yellowish white. *Racemi* terminal, from 2 to 4 inches long, secundose, with from 1 to 4 rows of flowers. *Bracteae* lanceolato-rhomboidal, whitish, erect. *Pedicels* erect, pubescent. *Flowers* deflex at an acute angle. *Calyx* fleshcoloured white, slightly villose, quadrifid; segments triangular, acute, con-

nivent. *Corolla* pale brownish fleshcoloured, tubular, slightly compressed, somewhat longer than the calyx, separating from the receptacle as soon as the germen begins to enlarge, and projecting beyond the calyx so as to appear half as long again as the calyx and changing to yellowish brown; tube whitish; limb as long as the tube, bilabiate, slightly pubescent; lips erect; upper acutely emarginate; lower semitrifid; segments retuse; throat pubescent on the lower side. *Stamina* 4, inserted into the throat of the corolla, the 2 lower inserted into the base of the lower lip, as long again as the 2 upper, ascending and at length projecting beyond the corolla. *Filaments* thick. *Antherae* oblong, pubescent. *Germen* ovate, glabrous, soon becoming nearly as large as the calyx, yellowish white. *Nectarium* transversely semioval, at the base of the germen, fleshy. *Style* projecting beyond the stamina, pressing against the emarginature of the upper lip. *Stigma* roundish, emarginate. *Capsule* not yet ripe. *Seeds* numerous, attached to 2 receptacles on the sides of the valves. *Obs.* 7042.—*Stem* 10 inches long. *Flowers* larger than those of *Obs.* 7042, which grew in a very shady place and covered with the foliage of other plants. *Corolla* half as long again as the calyx. *Obs.* 4557. Specimen gathered by Broughton.

SQUAMARIA. Dale 197.

634. PEDICULARIS.

Calyx quinquefid and bifid. *Corolla* bilabiate; upper lip vaulted, compressed, lower trilobate. A

gland at the base of the germen. Capsule with 2 cells. Obs. 4878. 4877. *L.*

1. *Calyces bifid.*

1. PEDICULARIS *palustris*. Stem branched. Obs. 4878. In a bog on limestone.—*L. suec. n.* 551; *sp.* 845. *Bot. arr.* 643. *Smith engl. t.* 399. *Pedicularia campestris.* *Trag.* 250. *Pedicularis.* *Riv. mon. t.* 92. *f.* 1. *P. palustris rubra elatior.* *Raii syn.* *284; *hist.* 770. *Tourn. paris.* 294. *Vaill. paris.* 158. Tall red Rattle. *Pet. herb. t.* 36. *f.* 3. *Calyx* bifid; segments lateral, ovate, serrato-crenate; teeth revolute at the margin. Obs. 4878. PEDICULARIS *aquatica.* *Linn.* 185. *Pedicularis.* *Vog.* 112.

2. *Calyx with 5 divisions.*

2. PEDICULARIS *sylvatica.* Calyces quinquefid; uppermost segment linear, entire, the rest serrate. Upper lip of the corolla bidentate. Obs. 4877. In pastures and on banks, in gritstone.—*L. suec. n.* 552; *sp.* 845. *Bot. arr.* 644. *Smith engl. t.* 400; *brit.* 656. *Fl. dan. t.* 225. *Gou. hort.* 298. Near Montpelier. *P. caule ramoso, floribus solitariis.* *L. lapp. n.* 241. *P. pratensis, purpurea.* *Tourn. paris.* 294. *Vaill. paris.* 158. *P. quibusdam Crista galli flore rubro.* *Bauh. J.* iii. 437. *P. pratensis rubra vulgaris.* *Raii syn.* *284. *Mistularia.* *Dod.* 546, *repr. in* *Pedicularis.* *Loh. ic. i.* 748, *Ger. by Johns.* 1071.

Alectorolophus III. *Clus. pann.* 709, &

Alectorolophi III genus alterum. *Clus. hist.* ii. 211.

Stems with short branches at the base. *Calyx* sex-angular, glabrous on the outside; margin and inside of the mouth pubescent. *Obs.* 4877.

PEDICULARIS. *Dale* 196.

635. ANTIRRHINUM.

Calyx quinquepartite. *Corolla* ringent, calcarate and gibbous at the base; throat closed; upper lip bifid, lower trifid. *Capsule* with 2 cells. *Obs.* 3990.
L.

1. *Corolla* without a spur. *L.*

A. repens.

1. *ANTIRRHINUM craniolare*. *Calyx* longer the corolla. Stem and peduncles slightly hirsute. *Obs.* 1524. In a corn field near Worcester, on gravel.

A. Orontium. *L. suec. n.* 559; *sp.* 860. *Bot. arr.* 650. *Curt. lond.* iv. 45. *t.* 234. *Fl. dan. t.* 941. *Smith engl. t.* 1155; *brit.* 662, who says it grows on calcareous as well as sandy soils.

A. arvense. *Riv. mon. irr. t.* 82.

A. arvense majus. *Tourn. paris.* 246. 388. *Vaill. paris.* 13.

A. arvense majus, flore rubro. *Boerh. i.* 233.

A. angustifolium sylvestre. *Bauh. J. iii.* 464. *Raii syn.* *283. In sandy soil.

A. sylvestre, Phyteuma. *Dod.* 182, *repr. in*

A. minimum. *Lob. ic. i.* 405, &

A. minus. *Ger. by Johns.* 549, & *cop. in*

A. sylvestre medium. *Park. theatr.* 1334.

Peduncles mostly very short, sometimes $\frac{1}{2}$ inch long, axillary, solitary. *Calyx*, phylla linear. *Corolla* with a slight prominence at the base. *Capsule* ovate, oblique, obliquely truncate at the end, bilocular, the upper cell ending in 1 rounded prominence, the lower larger, ending above in 2 rounded prominences. *Seeds* oval, whitish brown, convex on one side with a ridge along the middle, concave on the opposite side with an elevated fungose margin; margin inflex, dentate, whitish, the surface composed of minute microscopic scales pointing to the center of the side of the seed. *Nucleus* oval, strawcoloured. *Obs.* 1524.

ANTIRRHINUM *Orontium.* *Schreb. ap. Linn.* 186.

Antirrhinum. *Dale* 193. *Vog.* 124.

2. *ANTIRRHINUM grandiflorum.* Flowers racemose.

Leaves lanceolate. *Calyx* shorter than the corolla.

Obs. 3838. In a garden.

A. majus. *L. sp.* 859. *Hort. kew.* ii. 338. *Huds.* 274, who justly considers it as a naturalised plant. *Bot. arr.* 650. *Smith. engl. t.* 129; *brit.* 661. *Park. par. t.* 267. *f.* 5.

Antirrhinum. *Riv. mon. t.* 82. *Cam. capit.* 924. *Dod.* 182, repr. in *Lob. obs.* 221; *ic.* i. 404, &

A. purpureum sive album. *Ger. by Johns.* 549.

A. majus alterum, folio longiore. *Mill. Ph. ic.* 28. *t.* 42.

A. vulgare. *Bauh. J.* iii. 462. *Vaill. paris.* 14. On the walls of gardens.—*Raii. hist.* 760.

A. latifolium. *Boerh. i.* 238. *n.* 1—8.

A. purpureum. *Raii eur.* 65. On banks and in hedges near Montpellier.

A. majus flore roseo. *Cam. hort.* 18. About Montpellier Nismes and Salernum.—*Magn. monsp.* 23; *hort.* 18.

Cynocephalus Plinii. *Dalech.* 830. Segments of the upper lip of the corolla acute.

A. II Matthioli. *Dalech.* 1340.

A. magnum. *Dalech.* 1341.

Antirrhini vulgaris icon 3. *Bauh. J.* iii. b. 463.

A. purpureum sive roseum. *Park. par.* 269. No fig.

(*A. latifolium*, pallido amplo flore. *Bocc. piante* 49. t. 41, is *A. molle*.)

Calyx, phylla ovate. *Corolla* pink, with a slight prominence at the base. *Obs.* 3838.

Native of Italy and the south of France, but in the north of France, Germany and England it seems to be only naturalised.

ANTIRRHINUM. *Linn.* 186. *Schrod.* 536.

2. *Corolla calcarate*; spur longer than the calyx. *Leaves angular, mostly alternate.*

3. *ANTIRRHINUM quinquelobum*. Leaves cordate, with 5 lobes. *Obs.* 4022. On garden walls on each side of the road at Plaisley in Derbyshire, where it was sown by a botanist 40 years ago.

A. Cymbalaria. *L. sp.* 851. *Bot. arr.* 645. *Scop. carn. n.* 770. On the walls of Vipach, Trieste, and Gortz.—*Curt. lond.* i. 45. t. *Huds.* 271. On old walls about London.—*Gou. hort.* 299. On moist walls about Montpellier.—*Sibth. ox. n.* 550. Walls in Oxford.—*Host* 344. In Friuli and Litorali

on old walls, rubbish, and rocks.—*Schreb. lips.* 14.

On the walls of a garden.—*Reich. franc. n.* 425.

On old walls.—*Poll. n.* 589. On walls about Heidelberg.

A. foliis alternis cordatis quinquelobis. *Guett. ii.* 209. On walls and about the mouths of wells and fountains, in Estampes and Orleans.

Linaria folio glabro subrotundo, hederæ folio clematidis. *Hist. ox. s. 5. t. 14. f. 30.* *Boerh. i.* 232. In Holland.

Linaria hederaceo folio glabro, seu Cymbalaria vulgaris. *Dill. ap. Raii syn.* *282. On the walls of Chelsea garden and its vicinity. Found by Richardson in the quarries about Darford in Yorkshire (a misprint, as Mr. Knowlton suggests, for Bradford, where Mr. K. says Richardson was reported to have sown it.)

Cymbalaria foliis hederaceis, flore caeruleo. *Besl. hort. aest. ord. 6. fol. 5.*

Cymbalaria italica, hederaceo folio. *Lob. adv.* 269. On the walls of houses in Venice Padua and the neighbouring villages; *obs.* 337, *repr. in*

Cymbalaria italica, folio hederaceo. *Lob. ic. i.* 615, *and*

Cymbalaria italica. *Ger. by Johns.* 530.

Cymbalaria hederacea. *Park. theatr.* 681. About Hatfield in Hertfordshire, in gardens and other places.

Cymbalaria. *Matth.* 1124. *Cam. epit.* 860. *Dalech.* 1322. *Riv. mon. irr. t.* 86. *Raii hist.* 759. In Italy, on moist walls rubbish and rocks.

Cymbalaria flosculis purpurascens. *Bauh. J.* iii. 685. On moist old walls, rubbish, and rocks.

—*Rupp. ab Hall.* 242. On walls about Jena,

whither brought by Rolfino from Italy.—*Zannich.* 77. t. 252.

Native of Italy, and domesticated from the south of France to Estampes, Orleans, Gottingen, Holland, Derbyshire and Yorkshire.

CYMBALARIA. Dale 193. *Vog.* 124.

4. *ANTIRRHINUM* *Elatine*. Leaves hastate. Stems procumbent. Peduncles glabrous. *Obs.* 6395. In corn fields near Chesterfield.—*L. sp.* 851. *Curt. lond.* i. 46. t; *mat. med. t.* 7 *Bot. arr.* 646. *Fl. dan. t.* 426. *Smith engl. t.* 692; *brit.* 658. (*Gou. hort.* 299, observed near Montpellier is a variety with a blue corolla noticed by Magn. and observed on the continent by Ray, Tourn. and Vaill.)

Linaria *Elatine dicta*, folio acuminato. *Raii hist.* 759; *syn.* *282.

Linaria *segetum*, *nummulariae* folio aurito & villosa, flore luteo. *Tourn. paris.* 111.

Elatine folio acuminato in basi auriculato, flore luteo. *Vaill. paris.* 48.

Elatines altera. *Dod.* 42, repr. in

Elatine altera. *Lob. ic.* i. 470, *Ger. by Johns.* 625.

Elatine foemina, folio anguloso. *Bauh. J.* iii. b. 372.

Elatine folio acuminato. *Park. theatr.* 553.

Stem beginning to flower when only an inch long, and continuing till sometimes 33 inches long. Leaves, the lowermost pair ovate, entire at the margin, the 2nd pair ovali-ovate, dentate, those above hastate. Peduncles capillary, hirsutulous at the base. Calyx quinquepartite; segments ovato-lanceolate, acute, membranaceous at the margin below and at the com-

missures. *Corolla* somewhat longer than the calyx; throat just open so as to expose the stamina to view; upper lip erect, purple; lower patulous, brimstone coloured, with 2 oblong prominencies on the upper side; spur yellowish, attenuate, once and a half as long as the calyx. *Obs.* 6395.—*Capsules* bilocular; cells obliquely circumscinded, a circular portion separating from the upper part of the paries of each cell. *Seeds* roundish, rugose; ridges and cavities acute. *Obs.* 7650. Near Chesterfield.

Native of Kent, Middlesex, Suffolk, Cambridgeshire, Bedfordshire, Oxfordshire, Worcestershire, and the north of Derbyshire.

ELATINE. *Monro* iii. 105. *Vog.* 125, (but what he relates from *Lobel* belongs to *A. spurium*.)

Elatines. *Diosc.* l. 4. c. 40. *fol.* 206. *p.* 2.

A. Elatine. *Schoepf* 98.

3. *Corolla* calcarate; spur longer than the calyx.
Leaves entire at the margin, mostly alternate
 or crowded.

5. *ANTIRRHINUM spurium*. Leaves alternate, ovate, villose. Stems procumbent. Peduncles villose. *Obs.* 7648. Specimen gathered in Champagne.—*L. a Gmel.* ii. 930; *sp.* 851. *Curt. lond.* iii. 37. *t.* 205. *Bot. arr.* 646. *Fl. dan.* t. 913. *Host* 345. *Smith engl.* t. 691; *brit.* 657. *Gou. hort.* 300. Near Montpellier.

Elatine. *Riv. mon.* t. 86.

Linaria Elatine dicta, folio subrotundo. *Raii hist.* 759; *syn.* *282.

Linaria segetum, nummulariae folio villoso. *Tourn. paris.* 110.

Elatine folio subrotundo. *Vaill. paris.* 48. *Park. theatr.* 553.

Veronica foemina. *Fuchs.* 171. c. 59, cop. in
Elatine mas folio subrotundo. *Bauh. J.* iii. b. 372,
& in

V. foemina Fuchsii, sive Elatine. *Dod.* 44, which
repr. in *Ger. by Johns.* 625.

Elatine Dioscoridis. *Lob. adv.* 197, repr. in *ic.* i.
470.

Leaves ovate, acute, entire at the margin. *Pedun-*
cles villose. *Obs.* 7650. Specimen gathered in the
valley of the Danube between Strasburgh and Lintz.—
Leaves ovate, dentate, the upper hastate and triangu-
lar. *Peduncles* villose. *Obs.* 7649. Specimen from
M. Geltibrand.

Native of France, Germany, Kent, Middlesex, Suf-
folk, Norfolk, Cambridgeshire, Bedfordshire, and
Oxfordshire.

ELATINE. *Alst.* ii. 131, *Dale* 193. *Geoffr.* iii.
419. *Lew.* i. 409. *Mill. Jos.* 184. *Rutty* 173.

Vog. 125, the observation from *Lob. adv.*

Elatine folio subrotundo. *Chom.* 681.

6. ANTIRRHINUM *Linaria.* Leaves lineari-lanceolate,
sparse, crowded. Stem erect. Racemi terminal,
sessile. Flowers imbricate. *Obs.* 557. In hedges.
—*L. sp.* 858. *Bot. arr.* 648. *Curt. lond.* i. 47.
t. Smith brit. 660; *engl. t.* 658. *Woodv.* iv. 24.
t. 221. *Mart. rust. t.* 93. *Fl. dan. t.* 982.

Linaria. Ric. mon. t. 83.

Linaria vulgaris lutea, flore majore. *Tourn. paris.*
23. *Vaill. paris.* 117. *Boerh.* i. 231. In Hol-
land.

Osyris, Linaria. *Dalech.* 1332. *Trag.* 357.

Linaria prima. *Dod.* 183, repr. in

Osyris. *Lob. obs.* 222, & *ic.* i. 406, cop. in

390 DIDYNAMIA. 637. Scrophularia.

Linaria vulgaris nostras. *Park. theatr.* 458, and repr. in

Linaria vulgaris lutea. *Ger. by Johns.* 550. *Raii hist.* 752; *syn.* 281*.

Osyris, sive Linaria. *Fuchs* 532. c. 210, cop. in

Linaria lutea vulgaris. *Bauh. J.* iii. 456.

Capsules oblongo-oval, emarginate; cells cracking at the end. *Seeds* orbicular, with a crena in the margin on one side, brownish black. *Obs.* 557.

LINARIA. *Pharm. austriaco-prov.* 46. *succ.*—*Berg.* 545. *Dale* 193. *Geoffr.* iii. 730. *Lew.* ii. 69; *disp. by Dunc.* 329; *by Rother.* 189. *Linn.* 186. *Mill. Jos.* 270. *Murr.* ii. 183. *Quar. anim.* 263. *Rutty* 289. *Schoepf* 99. *Schrod.* 617. *Spielm.* 459.

Linaire. *Chom.* 727.

636. MARTYNIA.

Calyx quinquefid. *Corolla* ringent. *Capsule* lignose, covered with a rind, with a hooked beak, quadri-locular, bivalve. *L.*

- * 1. *MARTYNIA Craniolaria.* Stem branched. Leaves opposite, quinquelobate, dentate. *L. a Willd.* iii. 264. *Swartz. obs.* 230. *Glox.*

Martynia annua villosa et viscosa, aceris folio, flore albo tubo longissimo. *Ehr. t.* 1. f. 2. 2. 2.

CRANIOULARIA annua. *L. sp.* 862; *mant.* 417; *a Murr.* 558.—*Jacq. amer. t.* 110; 8co, 222.

637. SCROPHULARIA.

Calyx quinquefid. *Corolla* bilabiate; tube globular;

upper lip erect, bipartite; lower tripartite; lateral segments patulous, the middle most reflex. *Capsule* of 2 cells. *Obs.* 4008. *L.*

1. SCROPHULARIA *marilandica*. Leaves cordate, serrate, rounded at the base. Angles of the stem obtuse. *L. sp.* 863. *Hort. kew.* ii. 340.

S. foliis cordatis serratis acutis basi rotundatis, caule obtuse tetragono. L. ups. 177. *Gron. virg.* 95. *Cutl.* 464.

SCROPHULARIA. *Schoepf* 99.

2. SCROPHULARIA *nodosa*. Leaves triangulo-cordate, acute. *Obs.* 4008. In hedges.—*L. suec. n.* 560; *sp.* 863. *Bot. arr.* 651. *Smith brit.* 663; *engl. t.* 1544.

S. aquatica. Fl. dan. t. 507.

S. nodosa foetida. Boerh. i. 234. In Holland.

Scrophularia. Riv. mon. t. 107. *Cam. epit.* 866. *Dod.* 764, *cop. in.*

S. major vulgaris. Park. theatr. 610, *abr. in*

Brown Figwort. Pet. herb. t. 35. *f.* 9, and *repr. in*

S. major. Lob. ic. i. 533, and *Ger. by Johns.* 716. *Raii hist.* 764; *syn.* *283. *Dalech.* 1085.

Common Eyebright. *Pet. herb. t.* 36. *f.* 5. (The name is *Euphrasia officinalis*.)

SCROPHULARIA. *Pharm. austriaco-prov.* 66. —*Alst. i.* 517. *Carth. ii.* 333. *Dale* 194. *Geoffr. suite ii.* 438. *Lew. disp. by Dunc.* 347. *Mill. Jos.* 404. *Murr. ii.* 133. *Neum. ii.* 138. *Spielmann.* 579. *Schrod.* 679.

S. nodosa. Lew. ii. 358. *Rutty* 476. *Vog.* 118. 211.

S. foetida. Berg. 547. Linn. 186.

S. nodosa foetida. Chom. 755.

S. tertia. Boerh. 316.

3. *SCROPHULARIA aquatica.* Leaves oblongo-cordate. Stem bordered. Obs. 2880. Specimen gathered on the side of a ditch.—*L. sp.* 864 Curt. lond. v. 44. t. 291. Bot. arr. 652. Smith brit. 663; engl. t. 854. (*Fl. dan.* t. 507, is *S. nodosa*.)
- S. foliis cordatis petiolatis decurrentibus, caule acutangulo, racemis terminalibus.* *L. ups.* 177.
- S. foliis cordatis, pediculorum alis in caulem decurrentibus.* Guett. ii. 201.
- S. radice fibrosa.* Boerh. i. 234. In Holland.
- S. foemina.* Cam. epit. 867.
- S. aquatica major.* Raii hist. 764; syn. *283.
- Betonica aquatilis.* Dod. 50, repr. in
- Betonica aquatica.* Ger. by Johns. 715, cop. in *Park. theatr.* 613, and abr. in
- Water Figwort. Pet. herb. t. 35. f. 10.
- S. maxima, radice fibrosa.* Bauh. J. iii. b. 421. (The fig. a different plant.)
- SCROPHULARIA aquatica.* Alst. i. 518. Lew. ii. 358. Linn. 187. Mill. Jos. 404. Murr. ii. 190. Neum. ii. 121. Ruttj 475. Vog. 118.
- S. aquatica major.* Chom. 756. Marchand, account from in ph. tr. abr. by Hutt. iv. 655. Marchant in ac. sc. abr. by Southw. iii. 205.
- S. quarta.* Boerh. 316.
- Betonica aquatica.* Dale 194. Geoffr. suite ii. 444.
- β *brasiliensis.* So far like α, except what difference culture and climate might make. From
- Yquetaya. Marchant in ac. sc. abr. by Southw. iii. 201.

Iquetaia. Marchand, account from in *ph. tr. abr.*
by Jones iv. 321.

638. DIGITALIS.

Calyx pentaphyllous. *Corolla* ventricose, unequally quinquefid and quadrifid. *Capsule* ovate, of 2 cells, with many seeds. *Obs.* 4127. *L.*

1. *DIGITALIS purpurea.* Phylla ovate, acute. Segments of the corolla obtuse, uppermost entire and slightly emarginate. *Obs.* 4127. On dry banks.—*L. sp.* 866; *mant.* 418. *Bot. arr.* 654. *Curt. lond.* i. 11. *t. cop.* under his inspection in *With. foxgl. t. Fl. dan. t.* 74. *Woodv.* i. 71. *t.* 24. *Huds.* 276. *Lightf.* 330. *Raii hist.* 767; *syn.* *283. *Tourn. paris.* 432. *Vaill. paris.* 47. *Smith engl. t.* 1297. *Fuchs.* 893. *fol. ed. cop. in* 239. *c.* 88, *Bauh. J.* ii. 812, and *Dalech.* 831. *Dod.* 168, *repr. in Lob. obs.* 308; *ic.* i. 572, and *Ger. by Johns.* 790, & *cop. in*

D. purpurea vulgaris. *Park. theatr.* 653.

D. flore rubro. *Besl. hort. aest. ord.* 1. *fol.* 2.

Digitalis. *Curt. mat. med. t.* 3. *Riv. mon. t.* 104. *Thornt.* 590.

DIGITALIS. *Herb. Pharm. lond. & noviss.*—*Allen in phys. journ.* ix. 263. *Bailey, J. ib.* iii. 127. *Beddoes in med. facts v.* 17, & account from in *ann. med. lustr. II.* i. 201; in *contrib.* 521, & account from in *phys. journ.* i. 292. 384; *chir. rev.* vi. 354; viii. 133, & *med. rev.* vii. 68. *Bree* 248; in *phys. journ.* ii. 314. 430. *Chir. rev.* vii. 588. *Chom.* 75. *Coley in phys. journ.* vii. 407. *Cox, account*

from in *chir. rev.* xi. 299. *Cuming ib.* xii. 113. *Custance in phys. journ.* iv. 20. 420. *Dale* 195. *Drake in contrib.* 473, & account of *ib.* *ann. med.* iv. 123, and *phys. journ.* i. 289; ii. 267. 417; iv. 521. *Darw.* ii. 105. 111. 117. 291. 489. 503. 742. 745. *Douglas in med. rev.* vi. 154. *Dunn in phys. journ.* x. 551. *Earnest ib.* 554. *Ferriar* i. 23. 83. 94. 176. 190; ii. 18. 139. 163. 164. *Fielding in phys. journ.* v. 141. *Fogo ib.* xi. 147. *Fowler, R. in contrib.* 501; & account of *ib.* *ann. med.* iv. 147; v. 146, and *phys. journ.* i. 291. *Fricse*, account from *ib.* xi. 286. *Gapper ib.* vii. 155. *Gilbert. ib.* ix. 353. *Halesworth ib.* xvi. 229. *Harrington, T. ib.* iii. 202. *Heb.* 8. *Hufeland*, account from *ib.* *phys. journ.* xi. 192. *Hull phl.* 217. 219. 280. *Hunt*, account from *ib.* *chir. rev.* x. 272. *Kinglake in phys. journ.* iiii. 120; v. 437; vii. 523; xi. 59, and account from *ib.* *chir. rev.* viii. 142, and *med. rev.* vii. 74. *Killer in phys. journ.* vi. 312. *Magennis ib.* iii. 129. *Low ib.* ix. 418. *Mill. Jos.* 178. *Mossman in phys. journ.* ii. 36. 238; iv. 309, & *med. rev.* iii. 233; vi. 164, and account from *ib.* *chir. rev.* vii. 523. 524. 525. *Murr. J.* i. 329. *Palmer in phys. journ.* xiv. 237. *Patterson ib.* v. 441. *Rogers, W. ib.* viii. 82. *Rolfe ib.* v. 406. *Rutty* 168. *Sherwen in phys. journ.* ii. 175. *Simmons, W. ib.* vi. 134. *Sugrue ib.* iv. 329. *Swift ib.* v. 358. *White*, account from *ib.* *chir. rev.* viii. 60.

D. *purpurea*. Leaves. *Pharm. edin.*—*Bartley in phys. journ.* v. 259. *Beddoes*, account from *ib.* *ann. med.* iv. 91. *Braestrup in act. med. hafn.* ii. 438. *Brera*, account from *ib.* *phys. journ.* i. 71. *Carson ib.* iii. 513. *Cox in med. comment. dec.* II. iii. 425. *Cull.* ii. 555. *Currie in med. soc.* iv.

10. *Ferriar, digitalis, & account of in ann. med.* iv. 595. *Geoffr.* iii. 402. *Henry in phys. journ.* ii. 102. *Howard ib.* vi. 418. *Hufeland, account from in med. rev.* ii. 454. *Kohlhaas, account from ib.* iv. 191. *Lentin, account from in Quar. anim.* 118, and *phys. journ.* ix. 94. *Letts, in med. soc.* ii. 145. *Lew.* i. 401; *disp. by Dunc.* 218. *Maclean in phys. journ.* ii. 113; iii. 150, 237. *Magennis ib.* v. 201. *May in new med. journ.* ii. 1. *Mease, account from in phys. journ.* i. 56. *Monro* iii. 91; *Alex. account from in chir. rev.* iv. 361. *Moore, J. account from ib.* xviii. 5. *Murr.* i. 490; *J.* i. 130. 300; ii. 30. 75. *Musheau, account from in med. comment. dec. II.* x. 44. *Pears. R.* i. 145. 224; ii. 236. *Ploucq. bibl.* i. 130. *Quar. anim.* 117 to 121. *Rush* ii. 226. *Simmons in med. journ.* ii. 414; vi. 55. *Stevenson in med. comment. dec. II.* x. 356. *Und.* i. 281. *Vog.* 128. *Warren, J. in med. journ.* vi. 145. *Wright, J. in med. soc.* iii. 563.

D. *purpurea, folio aspero.* *Chom.* 395; *suppl.* 128. Foxglove. *Baker in med. trans.* iii. 287. 448. *Beddoes, account from in med. rev.* ii. 156. *Darw.* ii. 718; *in med. trans.* iii. 255; *C.* 65. 103, *repr. in phys. journ.* iii. 202. *Dunc. in med. comment.* x. 357. *Hull phl.* 333. *Jones in med. comment.* xi. 302. 380. *Kinglake in phys. journ.* iv. 63. *Maclean ib.* ii. 177; iv. 127. *Mossman ib.* v. 133. *Quin dropsy brain* 189 to 227. *Rush* ii. 174; iv. 99. *Salmon, account from in med. rev.* v. 303. *With. foxgl. and account from in med. comment.* x. 133.

2. DIGITALIS *lutea.* Phylla lanceolate. Segments of the corolla acute; upper lip bifid. *L. sp.* 867.

Jacq. hort. ii. t. 105. *Hort. kew.* ii. 345. *Gou. hort.* 305. Near Montpellier.—*Scop. carn. n.* 779. *Roth. germ.* ii. pars ii. 60. *Krock. n.* 998. *Ger. by Johns.* 790, repr. from

D. lutea parva. *Lob. ic. i.* 573.

D. foliolis calycinis subulatis. *Roy.* 293.

D. foliis calycinis lanceolatis, corollis acutis, labio superiore bifido. *L. ups.* 178.

D. major lutea vel pallida, parvo flore. *Tourn. paris.* 433. *Vaill. paris.* 47. *Magn. monsp.* 86. *Raii eur.* 116. About Salerno and Naples; *hist.* 768.

D. lutea, minore flore. *Boerh. i.* 229.

D. flore minore sublutco, angustiore folio. *Bauh. J. ii.* 814. In the Grisons and Switzerland.

D. minor lutea sive pallida. *Park. par.* 382. No fig.

D. lutea, parvo flore. *Hist. ox. s. 5. t. 8. f. 5.*

DIGITALIS lutea. *Careno, account from in chir. rev. vii.* 390.

639. BIGNONIA.

Calyx quinquefid, cuplike. *Corolla* campanulate, quinquefid; throat ventricose underneath. *Capsule* of 2 cells, cylindric. *Seeds* with membranaceous borders and woolly. *From L.*

1. *Leaves simple.* *L.*

1. *BIGNONIA Catalpa.* *Leaves* cordate. *Stem* erect. *Seeds* with membranaceous borders. *H. K. ii.* 346. *L. sp.* 868. *Thunb. jap.* 251.

B. urucu foliis, flore sordide albo intus maculis pur-

pureis et luteis adperso, siliqua longissima et angustissima. *Cat. i. t. 49.*

(Cumbulu. *Rheede i. 75. t. 41*, has a drupe.)

BIGNONIA CATALPA. *Schoepf 99.*

Kakusju. Kaempf. am. 841. t. 842.

2. **BIGNONIA tomentosa.** Leaves cordate, tomentose.

Flowers axillary, paniculate. *L. a Willd. iii. 290.*

Thunb. jap. 252.

Too. Kaempf. am. 859. t. 860.

BIGNONIA tomentosa. *Thunb. trav. iv. 38.*

2. *Leaves conjugate. L.*

3. **BIGNONIA ophthalmica.** Leaves cirrhose. Folioles ovato-cordate, glabrous, entire at the margin, dotted underneath. *From Anders. in med. comment. dec. II. ix. 373.*

AKUSERUNEE. *Chish. in med. comment. dec. II. ix. 368.*

4. **BIGNONIA capreolata.** Leaves cirrhose, lower simple; folioles cordato-lanceolate. *L. sp. 870.*

Hort. kew. ii. 347. Bot. mag. t. 864.

Clematis tetraphylla americana. Bocc. sic. 31. t. 15. f. 3. Raii hist. 1329.

Clematide tetraphylla americana. Zanon. ist. 74. t. 28, repr. in

B. americana capreolis donata, siliqua breviori. Zanon. hist. 49. t. 33. Cat. ii. t. 82. Breyn. ic. 33. t. 25. No fructifications.

BIGNONIA capreolata. *Chish. 24.*

3. *Leaves digitate. L.*

5. **BIGNONIA Leucoxylon.** Leaves digitate; folioles

lanceolate, entire at the margin, glabrous. Flowers terminal. *From L. a Willd.* iii. 300, *Swartz. obs.* 233, and *Andr. rep.* t. 43. *L. sp.* 870.

B. pentaphylla arborea, flore subrubello. *Browne* 263.

Leucoxydon, arbor siliquosa, quinis foliis, floribus nerii, alato semine. *Pluk. alm.* 215; *phyt.* 1. 200. f. 4.

Nerio affinis arbor siliquosa, folio palmato seu digitato, flore albo. *Sloane cat.* 154.

Nerio similis arbor. *Raii. hist.* 1768.

Nerii facie arbor. *Lob. adv.* 455*, *repr. in ic.* ii. 239, and *cop. in Bauh. J.* ii. 142,

Nerii facie arbor indica. *Park. theatr.* 1471, and *Palmacea pinnata spinosa.* *Dalech.* 1831.

WHITE CEDAR. *Chish.* 26.

Cedar. *Graing.* 49.

4. Leaves pinnate. L.

6. *BIGNONIA chelonoides*. Leaves pinnate with an odd one; folioles ovate, entire at the margin, pubescent. Corolla barbate. Stamina with the rudiment of a fifth. *L. fl. suppl.* 282?

PADRI. Raii hist. 1750. *Rhede* vi. 47. t. 26, has leaves abruptly pinnate.

7. *BIGNONIA indica*. Leaves bipinnate; folioles subrotundo-ovate, cordate, acuminate. Stamina 5. Calyx tubular. Corolla quinquefid. *L. a Willd.* iii. 306; *a Murr.* 564; *sp.* 871 α . *Hort. kew.* ii. 348.

PALEGA-PAJANELI. Rhede i. 77. (where for 44 read 43,) t. 43. *Raii hist.* 1741.

8. *BIGNONIA longifolia*. Leaves bipinnate; folioles oblongo-lanceolate, subcordate, acuminate. Calyx hemispheric. Corolla quadrifid. *L. a Willd.* iii. 306, from authors:
B. indica β. *L. sp.* 871.
PAJANELI. *Rheede* i. 79, (where for 45 read 44,) t. 44. *Raii hist.* 1741.
9. *BIGNONIA brasiliensis*. Leaves bipinnate; folioles oblong, acute. Panicle axillary. Siliques repandose. *L. a Willd.* iii. 307, from authors.—*Lam.* *Jacaranda*. *Marcgr.* 136. No fig.
JACARANDA II. *Pis. ind.* 165.
Jacaranda brasiliensis. *Raii hist.* 1648.

640. CITHAREXYLUM.

Calyx quinquedentate. *Corolla* infundibuliform; segments nearly equal. *Drupe* dispermous. *Nuts* bilocular. *Obs.* 8428. *L. & L. a Willd.*

1. *CITHAREXYLUM melanocardium*. Branches tetragonous. Flowers paniculate. Stamina 4. Leaves subrugose, veined and slightly scabrous underneath. *Swartz. ind. occid.* 1046.

C. paniculatum. *Gaertn.* i. 270. t. 56.

Petioles with an articulation near the end. *Leaves* elliptic, acuminate, dotted above, pubescenti-tomentose underneath. *Obs.* 8369. Specimen gathered by Dr. Wright in Jamaica.

CITHAREXYLON foliis rugosis ovatis oppositis, petiolis geniculatis, racemis terminalibus, calicibus quadrifidis. *Browne* 265.

641. CRESCENTIA.

Calyx bipartite; segments equal. *Corolla* gibbous.
Berry pedicellate, unilocular, polyspermous. *Seeds*
 bilocular. *L.*

1. CRESCENTIA *Cujete*. Leaves cuneato-lanceolate and lanceolate, crowded. *Swartz. obs.* 234. *L. sp.* 872. *Mill. Ph. dict. n.* 1. *Jacq. amer.* 175. t. 111; *ed.* 8vo, 223.

C. arborescens, foliis confertis obovato-oblongis basi angustioribus, fructu sphaerico maximo. *Browne* 265.

C. arborescens, foliis confertis, fructu sphaerico minori. *Browne* 266.

C. arborescens, foliis confertis, fructu oblongo-ovato minori. *Browne* 266.

Cujete foliis oblongis et angustis, magno fructu ovato. *Plum. ic. t.* 109.

Arbor americana cucurbitifera, folio longo mucronato, fructu oblongo. *Commel. J. hort. i.* 137. t. 71.

Macocquer virginiensium. *Bauh. J. i. a.* 254.

Folium dictum *Higuero*. *Dalech.* 1843, *cop. in*

Higuero Oviedi. *Bauh. J. i. a.* 111, the upper leaf.

Arbor cucurbitifera americana, folio subrotundo. *Raii hist.* 1667. *Sloane cat.* 206.

Cohyné. *Dalech.* 1845, *cop. in Park.* 1666.

Higuero. *Clus. exot.* 23. No fig.—232. Outer fig. *cop. in*

Fructus *Higuero*. *Dalech.* 1844, &

Higuero fructus Clusii. *Park. theatr.* 1633. Seeds.

CRESCENTIA Cujete. *Wright in med. journ.*
viii. 249.

642. TANAECIUM.

Calyx cylindric, truncate. *Corolla* tubular, quinquefid; segments nearly equal. Rudiment of a 5th stamen. Berry corticose. *From Swartz. ind. occid. ii. 1049.*

1. *TANAECIUM Jaroba*. Lower leaves ternate, upper geminate. Cirrhi between the petiolules, terminal. Stem climbing. *Swartz. ind. occid. ii. 1050.*

Crescentia scandens, foliis inferioribus pinnato-ternatis, superioribus geminatis clavicula interpositis. Browne 267.

Cucurbitifera fruticosa trifolia scandens. Sloane cat. 207; hist. ii. 173.

JAROBIA. Marcgr. 25, repr. in Pis. ind. 173. Raii hist. iii. dendr. 82.

Phaseolus brasiliensis, Jaroba indigenis dictus. Raii hist. 889.

643. GMELINA.

Calyx mostly quadridentate. *Corolla* quadrifid; campanulate. *Antherae*, 2 bipartite, 2 undivided. *Drupe*. Nut trilocular. *From L. and L. a Schreb.*

- i. *GMELINA asiatica. L. a Murr. 565; sp. 873. Lour. ii. 456.*

Lycium maderaspatanum, indici Alpino putati æmulum, foliis minoribus et majoribus bijugis et grandioribus, aculeis horridum. *Pluk. alm.* 234; *phyt. t.* 305. *f.* 3; *t.* 97. *f.* 2.

JAMBOSA silvestris parvifolia. *Rumph. i.* 129. *t.* 40.

644. PREMNA.

Calyx bilobate. *Corolla* quadrifid. *Drupe.* *Nut* quadrilocular. *From L. a Schreb. n.* 1025.

1. *PREMNA integrifolia.* Leaves entire at the margin, glabrous. *From L. a Willd. iii.* 314, and *mant.* 252.

Cornutia corymbosa. *Burm. N. ind.* 133. *t.* 41. *f.* 1.

FOLIUM HIRCINUM. *Rumph. iii.* 208. *t.* 134.

645. LANTANA.

Calyx obsolete dentate. *Stigma* oblique. *Drupe.* *Nut* bilocular. *Obs.* 6848. The account of the fruit from *L.*

1. *Stem mostly unarmed.*

1. *LANTANA annua.* Spikes oblong. Stem unarmed, herbaceous. *From L. a Murr.* 566; *sp.* 874; *mant.* 419. *Hort. kew. ii.* 350.

L. foliis oppositis, caule inermi, spicis oblongis. *L. ups.* 180 a

PERICLYMENUM rectum humilior, salviae folio

rugoso majore, flore purpureo, fructu esculento purpureo. *Sloane cat.* 164;—*hist.* ii. 82. t. 195.

2. LANTANA *Camara*. Spikes hemispheric. Leaves elliptico-ovate, scabrous above. Bracteae subulate, mostly shorter than the flowers. *Obs.* 6848. In Sir Sitwell Sitwell's garden.—*L. sp.* 874. *Hort. kew.* ii. 351. *Swartz. obs.* 238.

L. frutescens, foliis cordato-ovatis, floralibus linearibus, floribus croceis, pedunculis longis. *Browne* 268. 269. *par.* 5.

Camara melissae folio, flore variabili. *Dill. hort.* 64. t. 56. f. 65.

Camara alia, flore variegato, non spinosa. *Plum. ic.* 59. t. 71. f. 1.

Viburnum americanum, urticae foliis, lamii odore, floribus miniatis. *Commel. J. hort.* i. 151. t. 78.

Viburnum americanum non spinosum, melissae foliis, floribus coccineis. *Pluk. alm.* 385; *phyt.* t. 114. f. 4.

Camara Juba. *Pis. bras.* 86, repr. in

Camara flore rubro. *Marcgr.* 5.

Stem whitish brown, with a few small prickles here and there. *Leaves* hirsute, scabrous above with prominences ending in hairs; serrate; teeth of the serratures rather obtuse, sometimes deflex. *Bracteae* with acute hairs, two thirds as long as the tube of the corolla. *Receptacle* oblongo-oval; pubescent. *Calyx* tubular, very short, membranaceous; margin repandodentate, obsoletely bidentate, ciliate. *Corolla* hypocrateriform; yellowish orange coloured becoming purplish rose coloured; tube as long again as the pistil, glabrous at the base, pubescent upwards; as long again as the limb; mouth with hairs; limb unequally

semiquadrifid. *Obs.* 6848.—*Branches* with a few short prickles. *Bractae* with acute hairs. *Calyx* obsoletely quadridentate. *Pistil* as short again as the tube of the corolla. *Obs.* 6849. Specimen from Leske.

LANTANA Camara. *Schoepf* 100. *Wright in med. journ.* viii. 265.

3. *LANTANA odorata*. Flowers capitate. Leaves rugose, elliptic, longer than the peduncles. *Bractae* nearly as long as the flowers, lanceolate. *Obs.* 7143. Specimen from Mr. Hunter's nursery.—*Hort. kew.* ii. 351. *L. a. Murr.* 566. *Swartz. obs.* 239.

Camara arborescens, salviae folio. *Plum. ic.* 60. *t.* 71. *f.* 2.

Leaves rhombico-elliptic, half as long again as the peduncles. *Obs.* 7143.

LANTANA involucrata. *Wright in med. journ.* viii. 265.

Wild Sage. *Graing.* 24. 32. 35. 52.

2. Stem prickly.

4. *LANTANA aculeata*. Spikes hemispheric. Leaves ovate, villose underneath, shorter than the peduncles. *Bractae* shorter than the flowers. *Obs.* 3469. Specimen gathered in the garden of Fothergill.—*H. K.* ii. 352. *L. sp.* 874; *mant.* 419.

L. frutescens spinosa, foliis amplioribus subrotundo-ovatis, pedunculis longissimis, floribus kermesinis. *Browne* 269.

Viburnum americanum odoratum, urticae foliis latioribus, spinosum, floribus miniatis. *Pluk. alm.* 385; *phyt. t.* 233. *f.* 5.

Stem, prickles numerous, decurved, thrice as short as the breadth of the stem. *Leaves* ovate, acute, whitish underneath, not scabrous with prominences. *Peduncles* axillary, opposite, patent, half as long again as the leaves. *Bracteae* hirsute, the lower subulate, more than half as long as the tube of the corolla, with hairs some acute others shorter and glandular at the ends; the upper ovate, thrice as short as the tube of the corolla, with acute hairs. *Calyx* tubular, very short, membranaceous; margin erect, obsoletely dentate, ciliate. *Corolla* hypocrateriform; tube glabrous at the base, pubescent upwards, thrice as long as the pistil, thrice and four times as long as the limb. *Obs.* 3469.

LANTANA aculeata. *Wright in med. journ.* viii. 265.

646. CAPRARIA.

Calyx quinquepartite. *Corolla* campanulate, quinquefid; segments acute. *Capsule* bivalve, bilocular, polyspermous. *L.*

1. *CAPRARIA biflora.* Leaves alternate. Flowers in pairs. *L. sp.* 875. *Hort. kew.* ii. 353. *Swartz. obs.* 239. *Jacq. amer.* 182. t. 115; 8vo. 233.

Capraria. *Browne* 268.

C. corassavica. *Herm. par.* 110. t. 110.

Gratiolae affinis frutescens americana, foliis agerati sive veronicae erectae majoris. *Commel. J. hort.* i. 79. t. 40.

Lysimachiae peruvianae affinis americana procumbens ononidis vernae frutescentis folio singulari glabro. *Pluk. t.* 98. f. 4.

(Chichival memeya. *Hern.* 172, has oblong attenuate corollae.)

CAPRARIA biflora. *Schoepf* 100.

647. LINNAEA.

Calyx superior, quinquepartite. *Corolla* campanulate. *Berry* dry, with 3 cells. *Obs.* 5454. *L.*

1. *LINNAEA borealis.* *L. lapp. n.* 250. *t.* 12. *f.* 4; *suec. n.* 562. *t.* at *p.* 219; *sp.* 880; *phil.* title page, a small wooden cut.—*Beattie, James Hay in in. tr.* iii. 333. In a wood of firs at Mearns near Aberdeen.—*Fl. dan. t.* 3. *Andr. rep.* frontispiece to each vol.—*Smith engl. t.* 433. Hairiness of the stem peduncles and calyces not expressed.

Campanula serpyllifolia. *Bauh. J.* ii. 816, where the peduncles described as having 2 and 3 flowers; —*Casp. prodr.* 35.

Bractæae 4 and 2, at the base of the germen. *Peduncles, bractæae, germen* and *calyx* hirsute with acute and glandular hairs. *Obs.* 2943. Specimen gathered by Dr. Cutler in New England, in pine and hemlock woodlands.

LINNAEA. *Berg.* 548. *Linn.* 187. *Murr.* i. 397. *Schoepf* 101. *Vog.* 107.

648. STEMODIA.

Calyx quinquepartite. *Corolla* bilabiate. *Filaments* 4, bifid, each supporting 2 antherae. *Capsule* bilocular. *L.*

1. *STEMODIA maritima*. Leaves opposite, semiamplexicaul. Flowers sessile, solitary. *Swartz. obs.* 242. *L. am.* v. 399; *sp.* 881. *Jacq. amer.* 181. *t.* 174. *f.* 66. A leaf.

Scordium maritimum fruticosum procumbens, flore caeruleo. *Sloane cat.* 66; *hist.* i. 175. *t.* 110. *f.*

2. No fructifications.

STEMODIACRA. *Browne* 261. *t.* 22. *f.* 2.

649. OROBANCHE.

Calyx bifid quadrifid and quinquesfid. *Corolla* ringent; upper lip emarginate and bifid, lower trifid. *Nectarium* glandular, surrounding the base of the germen. *Capsule* unilocular, bivalve, with many seeds. *Obs.* 2561, and from *L. a Willd.* iii. 347. *L.*

1. *Bracteae* solitary. *Stamina* shorter than the corolla.
1. *OROBANCHE genistae*. Stem pubescent, simple. Upper lip of the corolla entire; segments of the lower lip entire. Style pubescent. Filaments pubescent upwards. *Obs.* 2561. On a common near Kidderminster.
- O. major*. *L. suec.* n. 561; *sp.* 882. *Bot. arr.* 657. *Curt. lond.* iv. 44. *t.* 232. *Smith engl. t.* 421; *brit.* 669. *Relh. ed.* i. n. 452. *Clus. pann.* 242. No fig.
- Orobanche*. *Riv. mon. t.* 89.
- O. major, garyophyllum olens*. *Raii syn.* *288. On the roots of *Genista*.
- O. sive Rapum genistae*. *Raii hist.* 1227; *cant.* 110. In broom fields at Gamlingay.

O. major foetidissima sylvae bononiensis. Vaill. paris. 154.

O. l. Tab. ic. 684. Clus. hist. i. 270, repr. in Rapum genistae, sive Orobanche. Ger. by Johns. 1311, and

Hypogenista. Lob. ic. ii. 268, outer fig.—Inner fig. repr. from

Genista scoparia vulgi. Lob. ic. ii. 89, which repr. in

Genista cum rapo. Dod. 749, inner plant, and

Genista. Ger. by Johns. 1311, and cop. in

Rapum genistae. Park. theatr. 229, and

Genista cum rapo. Bauh. J. i. b. 390, inner fig.

O. flore minore. Bauh. J. ii. 781.

Stems from 10 to 19 inches long. Calyx bracteiform, dimidiate, semicampanulate, quadrifid. Filaments glabrous below. Nectarium orbicular, dentate. Obs. 2561.

OROBANCHE. Dale 197.

2. Bracteae in threes. Smith.

2. *OROBANCHE virginiana. Stem branched. Corolla quadridentate. L. sp. 882. Walt. 167.*

O. caule ramoso, corollis quadridentatis. Gron. virg. 96.

O. minor virginiana lignosior, per totum caulem floribus minoribus onusta. Hist. ox. s. 12. t. 16. row 1. f. 9.

OROBANCHE virginiana. Cox 374. Schoepf 101.

650. DICEROS.

Calyx quinquepartite. Corolla campanulate, quadri-

fid; segments obcordate, one larger. *Antherae* divaricate. *Capsule* bilocular. *Lour.*

1. DICEROS *cochinchinensis*. *Lour.* ii. 463.

651. SESAMUM.

Calyx quinquepartite. *Corolla* campanulate, quinquefid; lower lobe largest. Rudiment of a 5th filament. *Stigma* lanceolate. *Capsule* quadrilocular. *L.*

1. SESAMUM *orientale*. Leaves entire, ovato-oblong.

L. sp. 883. *Hort. kew.* ii. 360. *Lour.* ii. 464.

S. foliis omnibus oblongis serratis. *Browne* 270.

Digitalis orientalis, *S. dicta.* *Burm. J. zeyl.* 87. *t.*

38. *f.* 1. A leaf.

Schit elu. *Rheede* ix. 105. *t.* 54.

S. veterum. *Sloane cat.* 59.

Sesamum. *Boerh.* i. 318. *Raii hist.* 1327. *Dod.*

522, repr. in *Lob. obs.* 514; *ic.* ii. 63, &

S. sive Sisamum. *Ger. by Johns.* 1232, and cop. from

S. verum. *Dalech.* 483. *Cam. hort. t.* 44, cop. in

SESAMUM. *Park. theatr.* 254, and abr. in *Bauh.*

J. ii. 896.—*Carth.* i. 336. *Dale* 267. *Linn.*

188. *Murr.* i. 493. *Rutty* 483. *Schrod.* 682.

Vog. 180.

S. orientale. *Bry.* 345.

2. SESAMUM *indicum*. Lower leaves trifid. *L. sp.*

884. *Hort. kew.* ii. 360. *Rumph.* v. 204. *t.* 76,

f. 1, lowermost leaves represented as ternate.

S. foliis inferioribus trifidis dentatis, superioribus oblongis serratis. *Browne* 270.

S. alterum, foliis trifidis, orientale, semine obscuro. *Boerh.* i. 318. *Pluk. alm.* 344; *phyt. t.* 109. f. 4. Leaves trilobate.

SESAMUM indicum. *Bry.* 346. *Wright in med. journ.* viii. 282.

Zezegery. *Spence in phys. journ.* viii. 553.

652. RUELLIA.

Calyx quinquepartite. *Corolla* irregular. *Capsule* bilocular; dissepiment contrary; cells polyspermous. *Obs.* 5606. *L.*

1. *RUELLIA tuberosa*. Peduncles uniflorous. Leaves ovate, crenate. From *L. sp.* 885. *Spartz. obs.* 245.

Gentianella utriusque indiae, impatiens, foliis agerati. *Pluk. alm.* 167; *phyt. t.* 186. f. 2.

Gentianella flore caeruleo integro, vasculo seminali ex humidi contactu impatiente. *Sloane cat.* 52; *hist.* i. 149. t. 95. f. 1. A leaf and fruit.

RUELLIA erecta asphodeli radice, pedunculis tripartitis alaribus. *Browne* 268.

2. *RUELLIA repanda*. Leaves lanceolate, obtusely dentate, petiolate. Stem creeping. *L. sp.* 886; *mant.* 422; *a Murr.* 575. *Burm. N. ind. t.* 40. f. 2.

PRUNELLA domestica angustifolia. *Rumph. vi.* 30. t. 13. *A. B.*

653. BARLERIA.

Calyx tetraphyllous; 2 outer phylla larger. *Corolla* infundibuliform. *Capsule* bilocular; dissepiment contrary; cells monospermous and dispermous. *Obs.* 5605. *L.*

1. BARLERIA *quadrispinosa*. Spines axillary, compound, with mostly 4 branches. Leaves elliptic. *Obs.* 5605. Specimen gathered in the Vienna garden.

B. Prionitis. *L. a Murr.* 576; *sp.* 887. *Donn.* 152.

Barleria. *Roy.* 291. *L. zeyl. n.* 233; *cliff.* 487.

(*Lycium indicum*, spinis quaternis ad foliorum singulorum exortum. *Seb. i.* 21. *t.* 13. *f.* 1, is *B. Hystrix.*)

HYSTRIX FRUTEX. *Rumph. vii.* 22. *t.* 13.

Coletta-veetla. *Rheede ix.* 77. *t.* 41. *Boerh. ii.* 263.

2. BARLERIA *buxifolia*. Spines axillary, opposite, solitary. Leaves roundish; margin entire. *L. sp.* 887.

CARA-SCHULLI. *Rheede ii.* 91. *t.* 47. *Raii hist.* 1755.

654. VOLKAMERIA.

Calyx campanulate, quinquefid and quinquedentate. *Corolla* hypocrateriform; limb quinquepartite; segments nearly equal. *Stamina* longer than the co-

rolla. *Stigma* bifid. *Berry* dispermous. *Seeds* bilocular. *Obs.* 5134. *L.*

1. *VOLKAMERIA inermis*. Branches unarmed. Peduncles pubescent; hairs adpressed. *O/s.* 5134. In Mr. Sitwell's garden.—*L. sp.* 889; *mant.* 423. *Hort. kew.* ii. 364 β. *Jacq. coll. suppl.* 117. t. 4. f. 1.

Periclymeni similis myrtifolia arbor maderaspatensis.
Pluk. alm. 287; *phyt. t.* 211. f. 4.

Jasmini flore frutex philippinensis, foliis floribusque fere ternis. *Pet. gaz. t.* 42. f. 7.

Nir-notsijl. Rheede v. 97. t. 49.

Leaves elliptic, glabrous, opposite, *Peduncles* axillary, triflorous. *Calyx* quinque-dentate. *Corolla* white; tube many times longer than the calyx, the inside below the middle villose and containing nectar; limb more than twice as long as the tube; segments oval, oblique, one truncate with a very short mucro. *Obs.* 5134.

JASMINUM litoreum. *Rumph. v.* 86. t. 46.

655. CLERODENDRUM.

Calyx quinquefid, campanulate. *Corolla*, tube filiform; limb quinquepartite; segments equal. *Stamina* very long, between the gaping segments of the corolla. *Drupe* tetraspermous. *Nuts* unilocular. *L. Vent. tabl. t.* 9. f. 2.

1. *CLERODENDRUM infortunatum*. Leaves cordate, tomentose. *L. sp.* 889; *mant.* 423.
C. folio lato et acuminato. *Burm. J. zeyl.* 66. t. 29.

Peragu. *Rheede* ii. 41. t. 25. *Raii hist.* 1571.
PETASITES agrestis. *Rumph.* iv. 108. t. 49.

656. VITEX.

Calyx quinquedentate. *Corolla* bilabiate; lips trifid.
Stigmata 2. *Berry* quadrilocular; cells mono-
spermous. From *L. a Schreb.* *L.*

1. *VITEX Agnus*. Leaves digitate. Spikes verticil-
late. *Obs.* 5242. Specimen in an herbal collected
in England.—*Gou. hort.* 309.

V. Agnus castus. *L. sp.* 890. *Hort. kew.* ii. 365.
Woodv. iv. 26. t. 222. *Thornt.* 589. *Gaertn.* i. t.
56. *Scop. carn. n.* 783. About Trieste, and in
Istria.

a integerrima. Margin of the folioles entire. *Obs.*
5242. *L. sp. a*

V. Agnus castus angustifolia. *Hort. kew.* ii. 365.

V. foliis angustioribus cannabis modo dispositis.
Boerh. ii. 222.

Agnus castus. *Magn. hort.* 7. *Raii eur.* 53. In
Sicily, and the kingdom of Naples.

Viticis ramulus cum flore. *Dod.* 762, repr. in

Eleagnon Theophrasti. *Lob. ic.* ii. 138, &

V. sive Agnus castus. *Ger. by Johns.* 1387, & cop.—
from

V. Matthioli. *Dalech.* 281.

Vitex. *Dod.* 762. *Cam. epit.* 105, cop. in

Agnus folio non serrato. *Bauh. J.* i. b. 205, &

V. sive Agnus castus folio angusto. *Park. theatr.*
1437.

Ελαγινον Theophrasti. *Lob. adv.* 423. No fig.

AGNUS castus, *Berg.* 550. *Chom.* 177. *Dale*

297. *Linn.* 188. *Mill.* *Jos.* 19. *Murr.* ii. 195.
Schoepf 101. *Schrod.* 528. *Spiclm.* 373. *Vog.*
 173.

Agnus. *Alst.* ii. 321. *Geoffr.* iii. 44. *Lew.* i. 41.

2. *VITEX trifolia*. Leaves ternate and quinate; foli-
 oles ovate, acute, slightly hoary underneath; mar-
 gin entire. Rachis of the panicle straight. Pedi-
 cles dichotomous. *L. fl. suppl.* 293. *H. K.* ii.
 365. *Lour.* ii. 472.

V. trifolia, floribus per ramos sparsis. *Burm. J.*
zeyl. 229. *t.* 109.

Frutex indicus baccifer, fructu calyculato monopy-
reno, Negundo dicta. *Raii hist.* 1575.

(*V. trifolia minor indica.* *Pluk. phyt. t.* 206. *f.* 5,
 has alternate leaves, as Mr. Knowlton observed.
 No fructifications.

LAGONDIUM vulgare. *Rumph.* iv. 48. *t.* 18.

Caranosi. *Rheede* ii. 13. *t.* 10.

Threeleaved *Vitex.* *Jones in as. res.* iv. 301.

3. *VITEX Negundo*. Leaves quinate and ternate;
 folioles sometimes serrate. Flowers paniculato-
 racemose. From *L. sp.* 890, and *Rumph.*—
Hort. kew. ii. 365. (*Curt. mag. t.* 364, is *V.*
incisa.)

V. orientalis, angustis foliis semper tripartito divis.
Pluk. alm. 390; *phyt. t.* 321. *f.* 2.

Negundo foemina Acostae. *Dalech.* 1867, *cop. in*
Negundo arbor mas. *Bauh. J.* ii. 189. *f.* 2. (*f.* 1,
cop. from

Negundo mas. *Dalech.* 1866, *which cop. in Park.*
theatr. 1650, has flowers in interrupted spikes.)

LAGONDIUM litoreum. *Rumph.* iv. 50. *t.* 19.

Bem-nosi. *Rheede* ii. 15. *t.* 11. *Raii hist.* 1575.

14. *VITEX spicata*. Leaves quinate and ternate; foli-
oles crenate. Spikes linear, terminal. *From Lour.*
ii. 475.

657. AVICENNIA.

Calyx quinquepartite. *Corolla* bilabiate; upper lip
square. *Capsule* coriaceous, rhomboidal, mono-
spermous. *L.*

1. *AVICENNIA tomentosa*. Leaves oblong, tomen-
tose underneath. *From L. a Murr.* 579; *gen.*
579, *Jacq. amer.* 178. *t.* 112. *f.* 2, a leaf; *8vo.*
227, & *Swartz. obs.* 248.

Bontia germinans. L. sp. 891.

Bontia. Browne 263.

Mangle laurocerasi foliis, flore albo tetrapetalo. Sloane
cat. 156.

OEPATA. Rheede iv. 95. *t.* 45. *Raii hist.* 1566.

2. *AVICENNIA resinifera*. Leaves elliptico-lanceo-
late, tomentose underneath. *Forst. G. austr. n.*
246;—*esc.* 72.

658. COLUMNNEA.

Calyx quinquepartite. *Corolla* ringent, gibbous
above the base; upper lip vaulted. *Antherae* con-
nected. *Capsule* bilocular. *From L. and Lour.*

1. *COLUMNNEA stellata*. Leaves stellate. Flowers
solitary. Stem creeping. *Lour. ii.* 467.

659. ACANTHUS.

Calyx tetraphyllous. *Corolla* unilabiate; lip trifid, bent down. *Capsule* bilocular. *Obs.* 8263. *L.*

1. *ACANTHUS mollis*. Leaves pinnate below, pinnatifid above. Spines very short. *Obs.* 8263. Specimen gathered in Lady Clifford's garden.—*L. sp.* 891. *Hort. kew.* ii. 366. *Gou. hort.* 309. Near Montpellier.—*Host* 350. In Littorali.

Acanthus. L. ups. 181.

A. sativus, vel *mollis* Virgilii. *Boerh.* i. 238.

A. vera. Fuchs. 52. c. 15, *cop. in*

Carduus A. sive Branca ursina. Bauh. J. iii. a. 75.

A. sativus. Dalech. 1443. *Raii hist.* 1326; *eur.* 49. In Sicily, and about Naples and Baia.—*Dod.* 707, *repr. in Lob. obs.* 477; *ic.* ii. 2, & *Ger. by Johns.* 1147, *cop. in Park. theatr.* 992, & *abr. in par. t.* 331. f. 1.

ACANTHUS mollis. Quar. febr. 232. *Spielm.* 450.

Acanthus. Dale 197. *Geoffr.* iii. 20. *Lew.* i. 15.

A. Branca ursina. Mill. Jos. 9.

Branca ursi. Linn. 188.

Branca ursina. Murr. ii. 204. *Rutty* 70. *Vog.* 94 α

Branca ursi italica. Carth. iv. 207.

Branca ursi vera. Pharm. austriaco-prov. 24.

Acanthe. Chom. 719.

2. *ACANTHUS spinosus*. Leaves pinnate below, pinnatifid above. Spines as long as the breadth of the segments of the leaves. *Obs.* 8264. Specimen

gathered in the Edinburgh garden.—*L. sp.* 891.
Hort. kew. ii. 367.

A. aculeatus. *Boerh.* i. 239. *Raii hist.* 1326.

A. sylvestris. *Dod.* 707, *repr. in Lob. obs.* 477,
cop. in Park. theatr. 992, *abr. in par. t.* 331. *f.* 2,
repr. in

Chamaeleonta monspeliensis. *Lob. ic.* ii. 2, &

A. sylvestris aculeatus. *Ger. by Johns.* 1147, and
cop. in

Branca ursina aculeata. *Dalech.* 1445, &

Carduus A. sive Branca ursina spinosa. *Bauh. J.*
iii. a. 77.

ACANTHUS spinosus. *Spielm.* 450.

A. sylvestris. *Dale* 197.

Branca ursi. *Berg.* 551.

3. *ACANTHUS ebracteatus*. Leaves lanceolato-elliptic,
dentate. Spike terminal. Stem fruticose, unarmed.
Calyx tetraphyllous. *Vahl. symb.* ii. 75. *t.* 40.

ACANTHUS ilicifolius. *Lour.* ii. 455.

Aquifolium indicum. *Rumph.* vi. 163. *t.* 71. *f.* 1.

4. *ACANTHUS edulis*. Leaves in fours, lineari-lanceo-
late, dentate, spinose. Stem fruticose. *Vahl.*
symb. i. 48.

Ruellia ciliaris. *L. mant.* 89.

Ruellia persica. *Burm. N. ind.* 135. *t.* 42. *f.* 1.

ACANTHUS edulis. *Forsk.* 114.

660. PICRIA.

Calyx tetraphyllous. *Corolla* ringent. *Berry* bicular. *Lour.*

1. PICRIA *Fcl terrae*, *Lour.* ii. 478.

Class 15.

TETRADYNAMIA.

Order 1.

SILICULOSAE.

1. *Fruit entire.*

661. CRAMBE. *Capsule* not opening, unilocular. *Obs.* 2568.
662. ISATIS. *Siliqua* not opening, unilocular, bivalve, monospermous, spatulate. *Obs.* 8206.
668. CORONOPUS. *Capsule* not opening, bilocular; cells monospermous. *Obs.* 7905.
663. DRABA. *Silicula* oval oblong and ovate; valves parallel to the dissepiment. *Obs.* 4717.
669. LUNARIA. *Silicula* pedicellate, flat; valves parallel to the dissepiment. *Obs.* 5688.
665. MYAGRUM. *Silicula* obovate; valves parallel to the dissepiment, carinate. *Obs.* 7907.

667. COCHLEARIA. *Silicula* oval; valves gibbose; cells polyspermous. *Obs.* 4226.

2. *Silicula* mostly emarginate at the end.

664. LEPIDIUM. *Silicula* emarginate and entire; valves carinate. *Obs.* 1370.
666. THLASPI. *Silicula* obcordate; valves carinate, mostly bordered. *Obs.* 2773.

Order 2.

SILIQUOSAE.

1. *Phylla* longitudinally connivent. From L.

680. CAKILE. *Siliqua* not opening, tetragonous; internodia dropping off. *Obs.* 5146.
679. RAPHANUS. *Siliqua* not opening, terete, attenuate. *Obs.* 5178.
676. TURRITIS. *Siliqua* angular. *Petals* erect. *Obs.* 2837.
673. ERYSIMUM. *Siliqua* tetragonous. L.
674. CHEIRANTHUS. *Siliqua* with a tooth on each side.
675. HESPERIS. *Nectaria* 2, at the base of the

2 shorter stamina. *Obs.*
908.

677. BRASSICA. *Nectaria* 4, 2 between the shorter stamina and the pistil, 2 between the longer stamina and the calyx. *Obs.* 2841.

670. DENTARIA. *Siliqua* bursting elastically; valves revolute. *L.*

2. *Ends of the phylla distant.* From *L.*

681. CLEOME. *Siliqua* unilocular.

671. CARDAMINE. *Siliqua* bursting elastically; valves revolute. *L.*

672. SISYMERIUM. *Siliqua*, valves straightish. *Calyx* patulous.

678. SINAPIS. *Nectaria* 4, 2 between the shorter stamina and the pistil; 2 between the longer stamina and the calyx. *Calyx* patent. *Obs.* 3835.

SILICULOSAE.

661. CRAMBE.

Filaments, the 4 longer furcate at the end, one of the
p d 3

branches supporting an anthera. *Capsule* not opening, unilocular, globular. *Obs.* 2568. *L.*

1. *CRAMBE maritima*. Leaves glabrous, sinuate. *Obs.* 2568. In a garden.—*L. sp.* 937. *Bot. arr.* 718. *Huds.* 299. *Smith brit.* 695; *engl. t.* 924. *Fl. dan. t.* 316. *Gaertn.* ii. 293.

C. maritima, brassicae folio. *Dill. ap. Raii syn.* 307. *Boerh.* ii. 1.

Brassica marina anglica. *Ger. by Johns.* 315.

Brassica marina sylvestris multiflora monospermos. *Lob. adv.* 92, repr. in *ic.* i. 245, and *cop.* in

Brassica monospermos anglica. *Bauh. J.* ii. 830, &

Brassica marina monospermos. *Park. theatr.* 270, with a portion of a racemus in fruit added.—*Raii syn. ed.* ii. 176.

Brassica maritima. *Raii hist.* 838.

CRAMBE maritima. *Bry.* 124.

Brassica sylvestris. *Dale* 208.

662. ISATIS.

Siliqua spatulate, unilocular, monospermous, bivalve, not opening; valves carinate. *Obs.* 8206. *L.*

1. *ISATIS tinctoria*. Radical leaves crenate, cauline leaves sagittate. Racemi and siliculæ glabrous. *Obs.* 8206. Specimen gathered by my servant in fields, cultivated, 2 miles west of Boston in Lincolnshire.—*L. sp.* 936. *Host* 353. *Mart. rust. t.* 41.

α *angustifolia*. Siliculæ much smaller than those of β .
From

I. sylvestris, sive *angustifolia*. *Vaill. paris.* 109.
Tourn. paris. 342. *Boerh. ii.* 3.

I. tinctoria. *Poll. n.* 645. *Roth germ. i.* 274. *L. succ. n.* 614. On the sea shore.

I. dalmatica. *Mill. Ph. dict. n.* 2?

Glastum sylvestre. *Raii eur.* 134. Along the Rhine.
—*Ger. by Johns.* 491, &

I. agria. *Lob. ic. i.* 352, repr. from

I. sylvestris. *Lob. obs.* 190, which repr. in *Dod.* 79.
Tab. ic. 737. *Cam. epit.* 410. *Dalech.* 499. *Fuchs.* 326. c. 126, cop. in

I. sive Glastum spontanea. *Bauh. J. ii.* 909. f. 2,
who found it in Switzerland Wirtemberg and
Alsace.

Native of Switzerland, France, Germany, and the
sea shores of Sweden.

ISATIS sylvestris, vel *angustifolia*. *Chom.* 765.

latifolia. *Siliculae* $5\frac{1}{2}$ tenths of an inch long, $1\frac{1}{2}$
broad. *Obs.* 8206. *L. sp. β*

I. tinctoria. *Huds.* 299, who marks it as a natu-
ralised plant, found rarely in corn fields and on the
borders of ploughed fields.—*Bot. arr.* 717. *Relh.*
n. 496. New Barns near Ely.—*Mill. Ph. dict. n.*
1. *Smith engl. t.* 97, in flower, from a cultivated
plant; *brit.* 693.

I. sativa, sive *latifolia*. *Boerh. ii.* 3.

I. domestica. *Cam. epit.* 409.

Glastum sativum. *Raii hist.* 842; *syn.* 307. Cul-
tivated in the midland counties; *cant.* 62. Planted
about Littleport in the isle of Ely.—*Lob. obs.* 189,
repr. in *ic. i.* 351, & *Ger. by Johns.* 491, cop. in
Park. theatr. 600, and repr. in

I. sativa. *Dod.* 79. *Dalech.* 499. *Fuchs.* 326. c.
126, cop. in

I. sive *Glastum sativa*. *Bauh. J.* ii. 909, & *abr.*
in

ISATIS. *Trag.* 256.—*Berg.* 583. *Dale* 208.
Vog. 105.

Glastum. *Mill. Jos.* 215. *Rutty* 219.

Woad. *Lew. in Neum.* ii. 240.

663. DRABA.

Silicula oval oblong and ovate; dissepiment parallel
to the valves. *Style* short. *Obs.* 4717. *L.*

1. *DRABA verna*. Flowers on scapi. Petals bifid.
Obs. 4717. On walls.—*Bot. arr.* 668. *L. sp.*
896. *Curt. lond.* i. 49. *t. Walc. t. Smith brit.*
677; *engl. t.* 586. *Fl. dan. t.* 983.

PARONYCHIA. *Dale* 460.

- α *integrifolia*. (Variation.) Leaves entire at the mar-
gin. *Obs.* 269. Specimen gathered near Wor-
cester.

Alysson vulgare, *polygoni folio*, *caule nudo*. *Tourn.*
paris. 53. *Vaill. paris.* 11. *Boerh.* ii. 4. In
Holland.

Paronychia vulgaris. *Raii syn.* 292. *Dod.* 112,
repr. in Ger. by Johns. 624, and

Paronychia alsinifolia. *Lob. ic.* i. 469, and *cop. in*
Dalech. 1214.

Pilosella siliquata minima. *Thal.* 84. *t.* 7. *E.*

- β *serratifolia*. (Variation.) Leaves sparingly dentato-
serrate. *Obs.* 4717.

Alysson vulgare, *foliis incisis*. *Vaill. paris.* 11.

Alysson vulgare, *polygoni folio*, *caule nudo*. *Scg.* i,
375. *t.* 4. *f.* 3.

Paronychia vulgaris, foliis dentatis. *Dill. ap. Raii syn.* 292.

Bursa pastoria minima, oblongis siliquis, verna, loculo oblongo. *Bauh. J.* ii. 937.

Myosotis parva. *Dalech.* 1318.

Glands 4, 1 between the shorter and each adjoining long stamen. *Obs.* 4717.

664. LEPIDIUM.

Silicula, compressed, emarginate and entire; valves carinate; cells monospermous and dispermous.
Obs. 4647. 1370. 7077. 4644. *L.*

1. *Siliculae* entire.

1. *LEPIDIUM latifolium*. Leaves ovato-lanceolate and lanceolate, serrate. *Obs.* 4646. In a garden.—*L. sp.* 899. *Fl. dan. t.* 557. *Bot. arr.* 671. *Smith engl. t.* 182. *brit.* 682. *Huds.* 279. *Gou. hort.* 315. Near Montpellier.—*Roth germ.* i. 278. In Holstein and near Tübingen.—*Tourn. paris.* 343. *Vaill. paris.* 115. *Raii hist.* 828, on the sides of rivers; *syn.* 304.

L. sativum. *L. suec. n.* 571. Found by Leche about the walls of Landskron and Hederstrom, and on rubbish near the castle of Westervic.

L. foliis ovato-lanceolatis integris serratis. *Guett.* ii. 144.

Lepidium. *Fuchs.* 471. c. 185, *abr. in Trag.* 88, *which repr. in*

L. majus. *Cord. fol.* 124. p. 2, & *cop. in*

L. Pauli. *Bauh. J.* ii. 940. f. 1.—f. 2. On the side of the river at Montpellier.

L. Plinii. *Dod.* 704, repr. in
Raphanus sylvestris officinarum. *Ger. by Johns.*
 241, & cop. in

Piperitis, sive *L. vulgare*, *Park. theatr.* 855.
Siliculae oval, entire. *Obs.* 4646.

Native of France, Germany, Denmark, Essex, Norfolk, and possibly Sweden, on the sides of rivers.

LEPIDIUM latifolium. *Chom.* 543; *suppl.* 159.
Lew. ii. 53.

Lepidium. *Dale* 206. *Lew. disp.* 165. *Mill. Jos.*
 265. *Rutty* 282. *Spielm.* 58.

L. vulgare. *Geoffr.* iii. 709.

2. *LEPIDIUM triandrum*. Leaves pinnate; segments linear, acute, serrate; serratures rare. Cells of the siliculae monospermous. Stamina mostly 3. *Obs.* 4648. In a garden from seeds gathered by Dr. Cutler in New England, and specimen from Dr. Cutler.

Lepidium. *Browne* 216.

Thlaspi. *Cutl.* 466.

Thlaspi virginianum, foliis iberidis amplioribus et serratis. *Boerh.* ii. 8.

Iberis humilior annua virginiana ramosior. *Sloane cat.* 80; *hist.* i. 195. *t.* 123. *f.* 3. *Raii hist.* 827.

Iberis ramosior virginiana annua. *Hist. ox. s.* 3. *t.* 21. *row* 1. *f.* 2.

LEPIDIUM virginicum. *Swartz. obs.* 251. *L.*
sp. 900. *Hort. kew.* ii. 375.—*Bry.* 104.

Nasturtium sylvestre. *Schoepf* 102.

2. *Siliculae emarginate*.

3. *LEPIDIUM Iberis*. Stamina 2. Petals 4. Lower leaves lanceolate, serrate; upper linear, entire at the

margin. *L. sp.* 900; *mant.* 425. *Hort. kew.* ii. 375.

L. gramineo folio, sive Iberis. Boerh. ii. 9. Vaill. paris. 115.

Iberis. Bauh. J. ii. 918. Dod. 703, repr. in

Iberis cardamantica. Ger. by Johns. 253, & cop. in

Iberis cardamantice latiore folio. Park. theatr. 854.

Style permanent, as short again as the emarginature of the silicula. *Silicula* emarginate, orbiculari-oval; dissepiment lanceolate, straight, contrary to the plane of the silicula; cells monospermous. *Obs.* 7077. Specimen from Dr. Heise.

IBERIS. Dale 206. Lew. ii. 53. Linn. 189.

Mill. Jos. 243. Raii hist. 827. par. the 2 last.

—Rutty 247.

L. hortense. Geoffr. iii. 711.

L. gramineo folio, sive Iberis. Chom. 544.

4. *LEPIDIUM Piscidium*. Leaves elliptico-oblong, acute, entire at the margin. Stamina tetradynamous. *Forst. G. austral. n.* 249;—*esc.* 70.

5. *LEPIDIUM sativum*. Stamina 6. Leaves pinnato-pinnatifid. *Obs.* 4647. In a garden.—*L. sp.* 899, where erase *Fl. suec. 2. n.* 571.—*Hort. kew.* ii. 373.

Nasturtium hortense vulgatum. Boerh. i. 8.

Nasturtium hortense. Dod. 699, repr. in ed. ii. 711, & Ger. by Johns. 250. Raii hist. 825. Fuchs. 356. c. 137, cop in Trag. 82, &

Nasturtium vulgare. Bauh J. ii. 912.

Nasturtium sativum. Park. par. t. 501. f. 4.

Siliculae emarginate. *Obs.* 4647.

LEPIDIUM sativum. *Bry.* 103. *Krock. n.* 1019, (the officinal name erroneously inserted under n. 1018.) *Pears. R.* i. 51.

Nasturtium hortense. *Berg.* 552. *Carth.* ii. 266. 296. *Chom.* 434; *suppl.* 156. *Dale* 206. *Lew.* ii. 128. *Linn.* 189. *Mill. Jos.* 310. *Murr.* ii. 352. *Rutty* 343. *Schoepf* 102. *Spielm.* 59.

Nasturtium. *Alst.* ii. 187. *Herm.* 305. 520.

Cardamum, sive Nasturtium hortense. *Geoffr. suite* i. 136.

Nasturtium hortense latifolium. *Schrod.* 633.

Cresses. *Darw.* ii. 40.

β *crispum*, Leaves pinnatifid; segments cuneiform, curled at the margin. *Obs.* 3829. In a garden.—*Hort. kew.* ii. 373 β. *L. sp.* β

Nasturtium crispum. *Bauh. J.* ii. 913.

Nasturtium hortense crispum latifolium et *angustifolium.* *Park. theatr.* 825.

Nasturtium hortense crispum angustifolium. *Bauh. Cusp. prodr.* 44. t. 43.

NASTURTIIUM crispum. *Berg.* 553.

Nasturtium hortense crispum vulgatum. *Schrod.* 633.

6. *LEPIDIUM ruderale.* Stamina mostly 2. Petals mostly wanting. Lower leaves pinnate, with dentate segments; the upper linear, entire at the margin; terminating segments rounded at the end. Cells of the siliculæ monospermous. *Obs.* 1370. At the edge of a wharf above the end of Pitchcroft near Worcester, where the salt made at Droitwich used to be discharged into barges in the Severn previous to the making of the Droitwich canal.—*L. suec. n.* 572; *sp.* 900. *Bot. arr.* 672. *Fl. dan.*

t. 184. *Relh.* n. 471. On the bank of the river at Wisbeach.—*Smith engl.* *t.* 1595; *brit.* 682, who supposes Withering to have found petals and 4 stamina, but I apprehend the observation at p. 557. l. 6 in *Bot. arr. ed. iv.* is only a condensation of the remarks which I inserted from Haller, &c. at the end of the specific character.—*Huds.* 280. At Yarmouth and at Clay in Norfolk.—*Lightf.* 340. In waste places near wharfs on the sea coast.—*Poll.* n. 606. On the sides of roads in several places, and plentifully about the salt springs of Creuzenach.—*Krock.* ii. n. 1020. *t.* 29. 30.

Thlaspidii genus. *Trag.* 83.

Thlaspi angustifolium. *Fuchs.* 303, *cop. in Bauh. J.* ii. 914, & *Dalech.* 662, *which repr. in 1181.*

Thlaspi minimum. *Dod.* 701, *repr. in*

Thlaspi minus hortense vulgare, *osyridis folio, acerrimum luteum et album.* *Lob. ic. i.* 214, *and*

Thlaspi minus. *Ger. by Johns.* 262, & *cop. in*

Nasturtium sylvestre, osyridis folio. *Park. theatr.*

829. *Raii syn.* 303. Near the sea in many places, as at Maldon in Essex, Lynn in Norfolk, and Truro in Cornwall.

Nasturtium sylvestre. *Raii hist.* 825.

Petals none. *Siliculae* oval, emarginate. *Stamina* 2. *Obs.* 1370.

THLASPI angustifolium. *Bauh. J. ib.*

7. *LEPIDIUM chinense.* Leaves pinnate; folioles entire at the margin. Petals emarginate, smaller than the calyx. *From*

LEPIDIUM petraeum. *Lour.* ii. 479.

3. *Silicula emarginate or entire uncertain.*

8. *LEPIDIUM oleraceum*. Leaves elliptico-oblong, acute, serrate. Stamina 4. *Hort. kew.* ii. 374. *Forst. G. austral. n.* 248;—*esc. n.* 38.

665. MYAGRUM.

Silicula obovate and roundish; valves concave, parallel to the dissepiment, carinate at the margin. *Style* permanent. *Obs.* 7907. *L.*

1. *MYAGRUM sativum*. *Siliculæ* obovate; cells polyspermous. Leaves amplexicaul. *Obs.* 7907. Specimen from Prof. Jos. F. Jacquin.—*L. succ. n.* 564, who considers it as imported along with flax seed; *sp.* 894. *Huds.* 277, who found it near Bridport and Lime in Dorsetshire, and who considers it as imported.—*Bot. arr.* 665. *Relh. n.* 1071, in Chippenham gravel pits.—*Poll. n.* 602. *Fl. dan. t.* 1038. Amongst flax.—*Gou. hort.* 311. Near Montpellier.—*Mill. Ph. dict. n.* 1. Amongst corn in Easthamsted park.—*Magn. monsp.* 180. *Krock. n.* 1008. *Matth. a C. B.* 815, repr. from

M. I. Tab. ic. 865.

Alyssum sativum. *Scop. n.* 794. *Smith brit.* 679; *engl. t.* 1254.

Camelina sativa. *Crantz. austr.* 18.

Moenchia sativa. *Roth germ. i.* 274; *ii. pars ii.* 75.

Alyssum foliis sagittatis, siliquis cordiformibus. *Hall. hist. n.* 489.

Alysson segetum, foliis auriculatis acutis. *Tourn.*

paris. 315. 385. *Boerh.* i. 4. *Rupp.* ab *Hall.* 85.
Dill. giss. 107.

Alysson, *M. sylvestre.* *Vaill. paris.* 11.

MYAGRUM. *Dale* 205. *Geoffr. suite* i. 95.

α *integrifolium.* Margin of the leaves entire and obso-
letely dentate. *Obs.* 7907. *L. α*

Sesama. *Trag.* 655.

Pseudomyagrum *Matth.* 1172, *cop. in Matth. a C.*
B. 815. *Dalech.* 1137.

M. dictum *Camelina.* *Bauh. J.* ii. 894, *cop. in*

M. sativum. *Hist. ox. s. 3. t. 21. row 2. f. 1.*

Pseudomyagrum alterum. *Cam. epit.* 902. *f. 1,*
cop. in

M. turcicum. *Bauh. J.* ii. 893.

Leaves hirsute and hirsutulous. *Seeds* oval, gla-
brous, rufous, somewhat more than $\frac{1}{2}$ tenth of an inch
long. *Obs.* 7907.

β *dentatum.* *Leaves* dentate. *Obs.* 7908. Specimen
from Leske, 10 inches long, the upper part of a
stem.

Pseudomyagrum. *Cam. epit.* 901.

Camelina, sive *Myagrion.* *Dod.* 523, *repr. in*

Cameline Myagrum. *Lob. ic. i.* 224, *cop. in*

M. sylvestre, seu *Pseudomyagrum.* *Park. theatr.*
868, &

Myagrum. *Dalech.* 1136, & *repr. in Lob. obs.* 111,
and Ger. by Johns. 273. In fruit.—*Raii hist.* 820;
syn. 302. Amongst flax.

Gold of pleasure. *Pet. herb. t.* 48. *f. 11.*

Leaves hirsutulous, teeth to 2 tenths of an inch
long. *Obs.* 7908.—*Siliquae* obovato-obcordate.
Seeds $\frac{1}{2}$ of the tenth of an inch long. *Obs.* 7909.
Specimen from Dr. Bochner.

666. THLASPI.

Silicula obcordate; valves mostly bordered; cells polyspermous dispermous and monospermous. *Obs.* 2773. *L.*

1. *THLASPI campestre*. *Siliculae* ovato-obcordate, glabrous; cells monospermous and dispermous. Cauline leaves sagittate, pubescent. *Obs.* 7080. On shale out of ironstone pits.—*L. sp.* 902. *Bot. arr.* 674. *Curt. lond.* v. 45. t. 303. *Smith brit.* 684; *engl. t.* 1385. *Krock. n.* 1026.

Thlaspidii genus aliud. *Trag.* 85. descr.

Thlaspi. *Trag.* 87, cop. from

T. latifolium. *Fuchs.* 303. c. 116, which cop. in

T. vulgatus. *Bauh. J.* ii. 921. f. 1. *Raii syn.* 305. *Tourn. paris.* 233. *Vaill. paris.* 191.

T. vulgatissimum. *Ger. by Johns.* 262, cop. in.

T. vaccariae folio. *Park. theatr.* 836.

Root fusiform. *Stems* leafy, pubescent, corymbose at the end; sometimes single, erect, branching from the base, sometimes as many as 10, ascending and oblique. *Leaves*, radical ones oblong, sometimes pinnatifid at the base; cauline leaves sagittate, attenuate; margin dentate, entire above. *Calyx* glabrous, brownish white; *phylla* ovato-oval. *Petals* erect, white, one fourth longer than the calyx; *laminae* obovate, veined; *ungues* linear, very narrow, nearly twice as long as the *laminae*. *Siliculae* ripe, $2\frac{1}{2}$ tenths of an inch long, microscopically tuberculate at the sides; margin glabrous, bordered above; border one sixth as long as the *silicula*; *dissepiment* falciform, ascending, at right angles

with the plane of the silicula. *Style* scarcely projecting beyond the silicula. *Seeds* ovate, blackish rufous, microscopically tuberculate, inserted by pedicles into the upper end of the dissepiment. *Obs.* 7080. In flower.—*Obs.* 7082. Specimen in fruit.

THLASPI vulgatus. *Alst.* ii. 377.

Thlaspi. *Dale* 207. n. 2. *Geoffr. suite* iii. 175.

Herm. 304.

T. vulgatissimum. *Mill. Jos.* 436.

T. arvense, *vaccariae incano folio*, majus. *Lew.* ii. 429. *Rutty* 515.

T. vaccariae incano folio, majus. *Chom.* 148. 326.

2. *THLASPI alliaceum*. Siliculæ subovate, ventricose. Leaves oblong, obtuse, dentate, glabrous. *Jacq. misc.* ii. 330; *ic.* i. t. 121. *L. sp.* 901, from

T. siliculis subovatis ventricosis, foliis oblongis obtusis dentatis glabris. *Roy.* 334.

Scorodonthlaspi Ulyssis Aldrovandi. *Bauh. J.* ii. 932, from seeds sent by Aldrovandus from Italy; *impr. in*

T. allium redolens. *Hist. ox. s.* 3. t. 18. row 3. f. 28.

SCORODOTHLASPI. *Geoffr. suite* iii. 178.

3. *THLASPI arvense*. Siliculæ orbiculari-obcordate; cells polyspermous. Leaves oblong, glabrous. *Obs.* 216. On a field of turneps near Worcester.—*L. sp.* 901. *Curt. lond.* vi. t. *Bot. arr.* 673. *Smith engl. t.* 1659; *brit.* 683. *Fl. dan. t.* 793. *Krock. n.* 1025.

T. arvense, *siliquis latis.* *Tourn. paris.* 233. *Vaill. paris.* 191.

T. Dioscoridis. *Raii syn.* 305. *Ger. by John.* 262, repr. from

T. latius. *Dod.* 700, & cop. in

T. drabae folio. *Park. theatr.* 836.

T. cum siliquis latis. *Bauh. J.* ii. 923.

Thlaspidium vulgare. *Trag.* 85. No fig.

Leaves, radical ones entire and obsoletely dentate; cauline leaves oblong, sagittate at the base, obsoletely dentate, uppermost and those of the branches lanceolato-oblong, dentate. *Siliculae* flat, at first ovali-obcordate, when fully grown orbiculari-obcordate. *Style* very short. *Obs.* 216.

Native of Staffordshire, Worcestershire, Oxfordshire, Berkshire, Cambridgeshire, Norfolk, Suffolk, and Essex, and mentioned in *Lightf.* to have been observed by Dr. Burgess in Tweedale.

THLASPI latius. *Geoffr. suite* iii. 177.

T. verum. *Alst.* ii. 376.

Thlaspi. *Pharm. austriaco-prov.* 71.—*Berg.* 554.

Dalé 207. n. 1. *Linn.* 190. *Mill. Jos.* 436. *Monro* iii. 281. *Murr.* ii. 354. *Schrod.* 691. *Vog.* 182.

T. arvense siliquis latis. *Chom.* 326. 148. *Lew.* ii. 429. *Rutty* 515.

4. *THLASPI cuneatum.* *Siliculae* not bordered, obcuneiform; cells polyspermous. *Obs.* 2773.

Nasturtium Bursa pastoris. *Roth germ.* i. 281; ii. 96.

T. Bursa pastoris. *L. sp.* 903. *Fl. dan. t.* 729.

Bot. arr. 676. *Curt. lond.* i. 50. t. *Walc. t.*

Lightf. 342. *Smith engl. t.* 1485. *Krock. n.* 1032.

Lour. ii. 480.

Bursa pastoris major, folio sinuato. *Tourn. paris.*

11. *Vaill. paris.* 24. *Boerh.* ii. 9. In Holland.

Pastoria bursa. *Dod.* 103, repr. in
Bursa pastoris. *Ger. by Johns.* 276. *Fuchs.* 583. c.
233, cop. in

Bursa pastoria. *Bauh. J.* ii. 936. *Raii syn.* 306.

Bursa pastoris major vulgaris. *Park. theatr.* 866.

Nectaria 2, bilobate, surrounding the base of the shorter stamina, extending each way till they almost meet. *Obs.* 2773.

BURSA PASTORIS. *Alst.* ii. 93. *Berg.* 555.

Dale 207. *Geoffr.* iii. 233. *Herm.* 557. *Lew.* i.

243; *disp.* 110. *Linn.* 190. *Mill. Jos.* 99. *Murr.*

ii. 355. *Ploucq. bibl.* i. 579. *Schoepf* 103. *Schrod.*

550. *Vog.* 56.

Boursette. *Chom.* 466; *suppl.* 142.

667. COCHLEARIA.

Silicula oval; valves gibbose; cells polyspermous.

Obs. 4226. 6621. *Smith brit.* 687. *L.*

1. COCHLEARIA *renifolia*. Radical leaves reniform; cauline leaves oblong, angular. *Obs.* 8606. On a wall in Ribber near Matlock in Derbyshire.—On limestone rocks at the mouth of the cavern at Castleton, and between Castleton and Pinder mine. June.

C. officinalis. *L. succ. n.* 577; *a Murr.* 588; *sp.* 903. *Bot. arr.* 677. *Fl. dan. t.* 135. On the shores of Norway and Denmark.—*Huds.* 283. In Cornwall.—*Lightf.* 342. On rocks on the sea coast and on the Highland mountains.—*Woodv.* i. 86. *t.* 29. No radical leaves.—*Smith brit.* 688; *engl. t.* 551. *Krock. n.* 1033.

C. folio subrotundo. Boerh. ii. 10. In Holland.

Cochlearia. *L. lapp.* n. 256. On the shores of the North Sea near the base of the Alps of Lapland.—*Bauh. J.* ii. 942. *Raii hist.* 822; *syn.* 302. On the sea shore, especially in Cumberland and Lancashire, and near rills running down the sides of hills as at Castleton in Derbyshire, and on Penigent Ingleborough and Stanemore in Yorkshire.—*Cam. epit.* 271. *Dod.* 583, repr. in

C. batava. *Lob. obs.* 156; *ic.* i. 293, &

C. rotundifolia. *Ger. by Johns.* 401, and cop. in

C. major rotundifolia, sive batavorum. *Park. theatr.* 285.

Stamina ascending, nearly equal. *Glands* 4, minute, green, 1 between the 2 shorter and longer *stamina.* *Obs.* 8606.

COCHLEARIA. *Bang in oct. haun.* i. 11. *Berg.* 556. *Lina.* 190. *Mead mon.* ii. 121. *Mertens in ph. tr. abr. by Hutt.* xiv. 404. *Schrod.* 569. *Schoepf* 102. *Spielm.* 532. *Stoll med.* iii. 82. *Vog.* 60.

C. officinalis. *Herb. Pharm. edin.—Bry.* 96. *Lew. disp. by Dunc.* 201. *Pears, R.* ii. 175.

C. hortensis. *Pharm. lond.—Alst.* ii. 114. *Blane* 501. *Carth.* ii. 263. 296. *Cull.* ii. 164. *Geoffr.* iii. 343. *Herm.* 518. *Hill* 384. *Lew.* i. 351. *Murr.* ii. 341. *Pugh in med. obs.* ii. 243. *Rutty* 133. *Rogert in act. haun.* i. 189. *Syd.* 278.

C. batava. *Dale* 206. *Mill. Jos.* 142.

C. folio subrotundo. *Chom.* 532.

Scurvygrass. *Baylies in med. pap.* 47. *Monro, Don. sold.* ii. 185.

2. *COCHLEARIA ovalifolia.* Radical leaves oval,

entire at the margin obsoletely dentate. *Obs.* 4228. Specimen gathered on the sea shore near King's Weston in the neighbourhood of Bristol.

C. anglica. *Huds.* 284. *L. sp.* 903. *Mill. Ph. dict. n. 2.* *Bot. arr.* 679. *Fl. dan. t.* 329. *Smith brit.* 688; *engl. t.* 552.

C. folio sinuato. *Raii hist.* 823, (mispr. 833) leaves sometimes entire at the margin sometimes slightly sinuate; *syn.* 303. *Boerh.* ii. 10.

C. Dodonaei. *Dalech.* 1320.

C. britannica. *Lob. obs.* 157, repr. in *Dod.* 583, and *Ger. by Johns.* 401, cop. in *Dalech.* 1320, repr. in

C. britannica, sive anglica. *Lob. ic. i.* 294, and cop. in

C. vulgaris. *Park. theatr.* 285, has inciso-serrate leaves.

C. anglica, atriplicis folio. *Lob. adv.* 123. No fig.

COCHLEARIA britannica. *Dale* 206. *Mill. Jos.* 143.

C. marina. *Lew. i.* 351; *disp. by Rother.* 145.

3. *COCHLEARIA lancifolia.* Radical leaves oblongo-lanceolate, crenate. *Obs.* 4229. In a garden.

C. Armoracia. *L. suec. n.* 580, in fields and near fishponds near Lund; *sp.* 904. *Huds.* 284. *Lightf.* 1136, on the authority of Sibbald.—*Bot. arr.* 681. *Smith brit.* 690. *Gou. hort.* 318. In water below the citadel.—*Host* 360. Near villages.—*Woodv.* iii. 406. *t.* 150. *Reich. franc. n.* 441. On the sides of ditches.

C. folio cubitali. *Magn. hort.* 60. *Krock. n.* 1034. *Boerh.* ii. 10. In Holland.

Raphanus sylvestris. *Fuchs.* 660. *fol. ed. cop. in* 629. c. 256, &

Raphanus sylvestris, sive Armoracia multis. *Bauh. J. ii.* 851, near Lure on the borders of fields, and *imit.* with an addition in

Raphanus major, seu Armoracia radix. *Trag.* 734.

Raphanis magna. *Dod.* 667, *repr. in*

Raphanus rusticanus. *Lob. obs.* 173, and *Ger. by Johns.* 241, *cop. in Park. theatr.* 860, the whole plant, and *repr. in Lob. ic. i.* 320, outer fig.—the 3 inner figures *abr. in Park. theatr.* 860, 2 inner figures.—*Raii hist.* 818; *syn.* 301, in ditches and by the side of water about Alnwick and elsewhere in Northumberland, and found by Lister on the banks of Skipton beck and elsewhere in Bolland in Craven Yorkshire.

Native of Europe, but in the greater number of instances the outcast of gardens.

ARMORACIA. *Berg.* 558. *Herm.* 62. *Linn.* 191. *Schoepf* 103. *Spielm.* 42. *Vog.* 187.

C. Armoracia. *Pharm. edin.*—*Bry.* 28. *Lew. disp. by Dunc.* 202. *Murr. J. i.* 323. *Pears. R. i.* 54. 92. 222; *ii.* 175.

Raphanus rusticanus. *Horse Radish. Root. Pharm. lond.*—*Alst. i.* 499. *Callisen in act. haun. i.* 74. *Carth. ii.* 257. *Chom.* 545. *Clegh.* 228. *Cull. ii.* 168. *Geoffr. suite ii.* 192. *Lew. ii.* 263. *Monro iii.* 228. *Murr. ii.* 348. *Neum. ii.* 169. *Rogert in act. haun. i.* 188. *Rutty* 424.

Raphanus sylvestris. *Dale* 205. *Mill. Jos.* 369.

Raphanus marinus, seu rusticanus. *Schrod.* 660.

Horse Raddish. *Brieude, account from in chir. rev. xi.* 394. *Chalm. ii.* 18. 115. *Clegh.* 228. *Cull.*

clin. 199. 250. *Pott* ii. 218. *Darw.* ii. 710. *For-
dyce*, *G.* *fev.* iv. 115. *Guthrie in ph. tr. abr. by*
Hutt. xiv. 399. *Lind hot clim.* 314. *Monro*,
Don. sold. i. 287; ii. 186. 187.

4. COCHLEARIA *Draba*. Leaves lanceolate, am-
plexicaul, dentate. *L. sp.* 904. *Donn* 85. *Jacq.*
austr. iv. t. 315. *Host* 360. *Gou. hort.* 318.
Near Montpellier.

Lepidium Draba. *Roth germ.* i. 278; ii. *pars* ii.
88.

Lepidium humile incanum arvense. *Magn. hort.*
115.

Draba umbellata, vel *Draba major*, capitulis donata.
Magn. monsp. 86.

Draba Dioscoridis. *Ger. by Johns.* 274.

Draba umbellata major. *Hist. ox. s. 3. t. 21. f. 1.*

Draba vulgaris I. *Clus. pann.* 461, repr. in

Draba I *vulgaris*. *Clus. hist.* ii. 461, and cop. in

Draba vulgaris. *Park. theatr.* 849. Leaves repre-
sented as entire at the margin.—*Raii hist.* 821;
eur. 118. In Italy France and Germany, and
within the walls of Antwerp.

Draba multis, flore albo. *Bauh. J.* ii. 939, upper
fig. (The lower fig. is a siliquose plant.)

Arabis, seu *Draba Matthioli*. *Dalech.* 664.

Native of Italy, the south of France, Germany,
and Hungary.

DRABA. *Dale* 205.

Δραβη. *Diosc. l. 2. c.* 187.

668. CORONOPUS.

Silicula not opening, bilocular; cells monospermous.

Obs. 7905. *Gaertn.*

1. CORONOPUS *coadunatus*. *Siliculae* cordate, acute.
Obs. 7906. On a dunghill near Worcester.

C. Ruellii. *Gaertn.* ii. 293. *t.* 142. *Smith brit.* 691.
Blackw. t. 120. *Dalech.* 670, as it appears on first
coming into flower.—*Park. theatr.* 502, *abr. from*
Ger. by Johns. 427, *which repr. from*

Cornu cervi alterum repens. *Dod.* 110, *which repr.*
in

C. repens Ruellii, et Cornu cervi alterum vulgi. *Lob.*
ic. i. 438, & *cop. in*

C. repens. *Dalech.* 671.

Cochlearia Coronopus. *L. succ. n.* 579; *sp.* 904.
Bol. arr. 680. *Fl. dan. t.* 202. *Mart. rust. t.* 92.

C. Ruellii, sive Nasturtium verrucosum. *Bauh. J.*
ii. 919.

Ambrosia prima. *Dalech.* 1148, *cop. in*

C. Ruellii recta, vel repens. *Park. theatr.* 502.

Nasturtium supinum, capsulis verrucosis. *Raii syn.*
304.

Nasturtium sylvestre, capsulis cristatis. *Boerh.* ii.
8. *Tourn. paris.* 26. *Vaill. paris.* 144.

Pseudambrosia. *Cam. epit.* 596.

Leaves pinnatifid. *Racemi* supra-axillary. *Fruit*
reniformi-cordate, rugose with some prominent
points, compressed, indurated, each half divisible
by some force into 2 valves. *Obs.* 7906.

Native of Europe, and according to Gronovius of
North America.

CORONOPUS. *Vog.* 100.

C. Ruellii. *Mill. Jos.* 153.

Cochlearia Coronopus. *Schoepf* 102.

Nasturtium verrucarium. *Geoffr. suite.* i. 140.

Nasturtium sylvestre. *Spielm.* 60.

Ambrosia campestris. *Dale* 208.

669. LUNARIA.

Silicula pedunculate, flat, entire; valves parallel to and as large as the dissepiment. *Obs.* 5688. *L.*

1. *LUNARIA ovalis*. *Siliculae* oval. *Obs.* 5688. In a garden.

L. annua. *L. sp. ed.* i. 653; *suec. n.* 583, retaining the trivial name though describing it as biennial; the plant found near Kinnekulle in West Gothland, (that found between Horva and Horby *L. lanceolata*, as also probably the rest;) *sp.* 911. quoting fl. *suec.* though giving only Germany as its place of growth; *a Willd.* iii. 477. *Retz. obs.* i. n. 69, not a native of Scania; *scand. n.* 801, informed by Linnaeus by letter that he had raised it from seeds gathered in West Gothland.—*Hort. kew.* ii. 385. *Roth germ.* i. 274. Near Rubeland and Tubingen in Germany; ii. *pars* ii. 77.

L. rediviva. *Mill. Ph. dict. n.* 1. *Gaertn.* ii. 288. t. 142.

L. foliis cordatis. *L. suec. ed.* i. 193.

L. graeca annua. *Besl. hort. vern. fol.* 7.

Viola L. major, *siliqua rotunda*. *Raii hist.* 787.

L. major, *Bolbonac aliis*. *Cam. hort.* 92.

Viola latifolia. Dalech. 805. Clus. hist. i. 297, repr. in Dod. 161, &c.

Viola lunaris, sive *Bolbonac*. Ger. by Johns. 464, who says it had been found about Pinner and Harrow on the hill; and abr. in

Viola lunaris, sive *Bulbonach*. Park. theatr. 1366, and par. t. 263. f. 7.

L. major, siliqua rotundiore. Boerh. ii. 5. Bauh. J. ii. 881. Siliquae ill done.

Root biennial, dying as soon as the seeds are ripe. Calyx reddish purple. Petals reddish purple, rather smaller than those of *L. lanceolata*. Nectaria 2, one at the base of each of the shorter stamina, sagittate; the upper end patulous between the base of the filament and the germen, 2 lower lobes deflex. Obs. 5688.

BULBONACH. Dale 200.

Viola Lunaria. Geoffr. suite iii. 324.

2. *LUNARIA lanceolata.* Siliculæ lanceolate. Obs. 7016. In a garden.

L. rediviva. Retz. obs. i. n. 68. Between Hurfwa and Horby in Scania; scand. n. 800. *L. sp. ed.* i. 653; sp. 911; a Willd. iii. 476. Krock. n. 1043. Scop. carn. n. 786. Host 365. Hort. kew. ii. 385. Roth germ. i. 274, on rocks in the forests of the Hartz and Thuringia, near Giessen, Herborn, Ilfeld, &c. ii. pars ii. 77.

L. graeca perennis. Besl. hort. vern. fol. 7.

Viola lunaris longioribus siliquis. Raii hist. 788; eur. 263. On Mount Saleve and Mount Jura.—Ger. by Johns. 464, who says it grew wild about Watford, cop. in

L. major, siliqua longiore. Bauh. J. ii. 882. On

Mount Saleve near Geneva, and near Lake Sèben.
—Boerh. ii. 5.

Viola lunaris altera, seu peregrina. Park. par. 265.

No fig.

Calyx white below and at the margin, green above.

Corolla white. *Nectaria* similar to those of *V. ovalis*.

Obs. 7016.

LUNARIA major alia, flore albicante odorato,
perennis. Cam. hort. 92. In Switzerland.

Viola Lunaria. Dale 200.

SILIQUOSAE.

670. DENTARIA.

Siliqua bursting elastically, the valves becoming
revolute. *Stigma* emarginate. *Calyx* longitudi-
nally connivent. *L.*

1. *DENTARIA bifolia.* Leaves ternate. Stems with
2 leaves. From

DENTARIA diphylla. Michaux ii. 30.

2. *DENTARIA bulbifera.* Lower leaves pinnate, up-
permost simple. *L. sp.* 912. *Bot. arr.* 683. *Smith*
engl. t. 309, from a garden where it propagates it-
self.—*Huds.* 286. In woods in Buckinghamshire.
—*Fl. dan. t.* 361. *Ger. by Johns.* 984, repr. from

D. IIII baccifera. *Clus. hist.* ii. 121.

DENTARIA bulbifera. Krock, n. 1047.

3. *DENTARIA pinnata*. Leaves pinnate; folioles lanceolate, serrate. *Obs.* 8265. Specimen gathered in Fothergill's garden. *Hort. kew.* iii. 386. *L. a Willd.* iii. 480.

D. pentaphyllos α *L. sp.* 912.

D. heptaphyllos V. *Clus. pann.* 453, repr. in

D. VIII heptaphyllos. Clus. hist. ii. 123, &

Viola D. altera. Dod. 162, cop. in

Coralloides altera, sive septifolia. Bauh. J. ii. 901, (mispr. 899) &

D. heptaphyllos. Park. theatr. 620, & repr. in *Ger. by Johns.* 985. *Raii hist.* 785. On Mounts Jura and Saleve.—*Watson in ph. tr. abr. by Hutt.* x. 250. Found by Blackstone near Harefield in Middlesex.

DENTARIA. Cod. med. p. xlv.—Dale 200.

671. CARDAMINE.

Siliqua bursting elastically, the valves becoming revolute. *Stigma* entire. *Calyx* somewhat gaping. *L.*

1. *Leaves pinnate. L.*

1. *CARDAMINE hirsuta*. Folioles angular. Petals twice as long as the calyx. Stem mostly hirsutulous. *Obs.* 4720. In marshy ground.—*Huds.* 295. *Sibth. ox.* 205. *Bot. arr.* 688. *Curt. lond.* iv. 48. *t.* 277. *Walc. t.* *Scop. carn.* ii. 21. *t.* 38. *Smith engl. t.* 492; *brit.* 698.

C. impatiens. Fl. dan. t. 735.

C. impatiens altera hirsutior. Raii syn. 300.

C. IIII Dalechampii. *Dalech.* 659. *Boerh.* ii. 17.
In Holland.

Stamina 4, 5, and 6 in the same plant. *Glands* 4, 1 at the base of each pair of longer stamina, 1 embracing the base of each shorter stamen, and where those wanting between the sides of the germen and the calyx. *Obs.* 4708. At the foot of a wall near Chesterfield. 20 May.—*Root* annual. Cultivated in a garden.

SISYMBRIUM C. hirsutum minus, flore parvo.
(mispr. *purpureo*, as Haller observes.) *Bauh. J.* ii. 888.

C. pumila, bellidis folio, alpina. *Rutty* 94?

α *hexandra.* (Variation.) *Stamina* generally 6. *Obs.* 4709. Between Worcester and Ombersley.

C. parviflora. *Huds. ed. i. Lightf.* 1105. *Bot. arr.* 686.

β *tetrandra.* (Variation.) *Stamina* generally 4. *Obs.* 840. On a bank of marle on the side of the Severn at the Ridd between Worcester and Upton.

C. hirsuta. *L. sp.* 915. *Huds. ed. i. Lightf.* 348. *Bot. arr.* 688.

Siliquae, valves rolling back so rapidly that the eye can scarcely discern the motion. *Obs.* 6327.

2. *CARDAMINE melanthera.* *Folioles* angular. *Petals* twice as long as the calyx. Stem glabrous. *Obs.* 7068. On the side of a wet ditch.

C. amara. *L. sp.* 915. *Bot. arr.* 689. *Curt. lond.* iii. 39. *t.* 158. *Smith brit.* 699; *engl. t.* 1000. (*Fl. dan. t.* 148 has paniculate flowers.)

C. pratensis, flore majore, elatior. *Vaill. paris.* 28. *Dill. ap. Raii syn.* 299. *Boerh.* ii. 17. In Holland.

Sisymbrium C. sive *Nasturtium aquaticum*, flore majore, elatius. *Bauh. J.* ii. 885.

Nasturtium aquaticum amarum. *Park. theatr.* 1237. *Raii syn. ed.* ii. 171.

Bitter Cress. *Pet. herb. t.* 47. f. 1.

(*Nasturtium pyrenaicum aquaticum latifolium*, purpurascente flore. *Herm. par.* 223. t. 203, is *C. latifolia*.)

Stem 2 feet long, throwing out roots at the lower joints. Leaves warm, but as *Vaillant* observes not bitter. Antherae blackish purple. Nectaria 4, glandular, green, 1 surrounding the outer base of the shorter stamina, 1 at the base of each pair of longer stamina. Style short. *Obs.* 7068.

CARDAMINE amara. *Caley in bot. arr. ed. IV.* iii. 169. *Krock. n.* 1053. *Lightf.* 350.

3. CARDAMINE *pratensis*. Folioles of the upper leaves mostly entire at the margin. Petals thrice as long as the calyx. Stem glabrous. *Obs.* 4711. In a wet meadow.—*Huds.* 294. *L. sp.* 915. *Bot. arr.* 688. *Curt. lond.* iii. 40. t. 175. *Walc. t. Smith brit.* 699; *engl. t.* 776. *Fl. dan. t.* 1039. *Woodv.* i. 89. t. 30. *Huds.* 294. *Mart. rust. t.* 95.

C. pratensis, magno flore purpurascente. *Boerh.* ii. 16. In Holland.

Flos cuculi. *Dod.* 582, repr. in

C. altera. *Lob. obs.* 106; *ic.* i. 210, & *Ger. by Johns.* 259, & cop. in

C. altera minor. *Park. theatr.* 826, which repr. in

Cardamine. *Park. theatr.* 1239. *Raii hist.* 814; *syn.* 299. *Ger. by Johns.* 259, repr. from

C. sive Sisymbrium alterum Dioscoridis. *Lob. obs.* 106, which repr. in *ic.* i. 210.

Nasturtium agreste. *Fuchs.* 320. c. 123, cop. in *Iberis Fuchsi*, sive *Nasturtium pratense silvestre.* *Bauh. J.* ii. 889.

Nasturtium pratense majus, sive *C. latifolia.* *Park. theatr.* 825. No fig.

Nasturtium pratense. *Trag.* 83.

Leaves glabrous; folioles of the radical leaves roundish, those of the cauline leaves lanceolate, mostly entire at the margin. Glands 4, 1 between each pair of longer stamina and the calyx, 1 almost encompassing each shorter stamen. *Obs.* 4711.

CARDAMINE. *Ladyssmock.* Flowers. *Pharm. lond. & noviss.*—*Baker in med. tr.* i. 442. *Boerh.* 434. *Bree* 251. *Cull.* ii. 166. *Dale* 204. *Dawson,* *Ambr. in lett.* 292. *Krock. n.* 1052. *Lew.* i. 279. *Linn.* 191. *Mill. Jos.* 111. *Monro* iii. 46. *Murr.* ii. 319. *Rutty* 94. n. 1.

C. pratensis. Petals. Leaves. *Pharm. edin.*—*Home, F. clin.* 199. *Lew. disp. by Dunc.* 179. *Pears. R.* ii. 213. *Ploucq. bibl.* i. 411. *With. in bot. arr. ed. IV.* iii. 568.

Nasturtium aquaticum. *Berg.* 560.

672. SISYMBRIUM.

Siliqua opening with straightish valves. *Calyx & corolla* patent. *Obs.* 6698. *L.*

1. *Calyx* longer than the corolla.

1. **SISYMBRIUM** *terrestre.* Leaves pinnatifid. *Obs.* 6698. In dry ground on the side of a brick pit.

23 July, lately come into flower.—*Curt. lond. v. 49. t. 289. Smith brit. 701; engl. t. 1747. Bot. arr. 692.*

S. amphibium. Fl. dan. t. 931. Huds. 296 α. Lightf. 352 α, on the authority of Sibbald.

S. palustre repens, parvo flore. Vaill. paris. 186, accords in the admeasurements of the petals and calyx, but the root described as perennial.

S. palustre. Poll. n. 625. Willd. ber. 219. Roth germ. i. 290.

Radicula sylvestris, sive palustris. Bauh. J. ii. 866. Flowers very small.

Raphanus aquaticus, foliis in profundas lacinias divis. Dill. ap. Raii syn. 301. The paragraph which follows belongs to the preceding species n. 1. —Bauh. Casp. prodr. 38, cop. in

Raphanus aquaticus Bauhini. Park. theatr. 1228, & abr. in

Small jagged water Radish. *Pet. herb. t. 49. f. 9.*

Stem ascending; 6 inches long. Leaves pinnatifid and lyrato-pinnatifid; segments inciso-serrate; teeth obtuse. Calyx yellow, tinged at the end with reddish brown, $\frac{1}{2}$ tenth of an inch long; phylla oblong. Petals somewhat more than half as long as the calyx. Style very short. Siliquae slightly incurvate, terete; valves opening from the base, straight. Obs. 5873.

In gravelly soil near Stafford in dry situations, and near a wet ditch at the Broad-eye bridge in Stafford.—

Stem 2 to 22 inches long, branched from the base, striate. Calyx yellow, nearly 1 tenth of an inch long; phylla patent and patulous. Petals patent, cuneiformi-obovate, about as long as the calyx, yellow. Nectaria 4, green, roundish, 1 between the 2 shorter stamina and the 2 pairs of longer stamina. Siliquae green,

$1\frac{1}{2}$ tenth of an inch long; terete. *Obs.* 6698.

RADICULA palustris. *Geoffr. suite iii.* 57.

2. *SISYMBRIUM Sophia*. Leaves bipinnate: *Obs.* 2830. On rubbish.—*L. succ. n.* 595; *sp.* 920. *Bot. arr.* 693. *Smith brit.* 704; *engl. t.* 963. *Fl. dan. t.* 528. *Mart. rust. t.* 57.

S. corolla calice minor, foliis multifidis linearibus.
L. lapp. n. 261.

S. annuum, absinthii folio. *Tourn. paris.* 231.

S. annuum, absinthii minoris folio. *Vaill. paris.* 186. *Boerh. ii.* 16.

Erysimum Sophia dictum. *Raii hist.* 812; *syn.* 298.

Nasturtium sylvestre aliud. *Fuchs.* 321. c. 123, *cop. in*

Seriphium germanicum, sive Sophia quibusdam.
Bauh. J. ii. 886, &

Thaliolum. *Dalech.* 1146, & *abr. in*

Seriphium germanicum. *Trag.* 338.

Thalictrum. Herba Sophia latifolia. *Tab. ic.* 6.

Thalictrum. Herba Sophia angustifolia. *Tab. ic.* 7.

Sophia. *Dod.* 133, *repr. in*

Sophia chirurgorum. *Lob. obs.* 426; *ic. i.* 738 &
Ger. by Johns. 1068, *and cop. in Park. theatr.* 830.

Stem corymbose. Branches patent. Leaves sessile, bipinnate. Petiolules slightly villose; hairs stellate and forked. Calyx greenish yellow; phylla patent. Petals yellow, erect, twice as short as the calyx. *Obs.* 2830.

SOPHIA. *Berg.* 561. *Geoffr. suite iii.* 64.

Herm. 303. *Krock.* n. 1064. *Linn.* 192. *Schoepf* 104. *Vog.* 139. 181.

Sophia chirurgorum. *Dale* 204. *Mill. Jos.* 418.

Murr. ii. 313. *Pet. in ph. tr. abr. by Loewth.* ii. 705; *by Hult.* iv. 418.

Talitrón. *Chom.* 587; *suppl.* 167.

2. *Calyx shorter than the corolla.*

3. *SISYMBRIUM diversifolium.* Leaves lanceolate, lanceolato-oblong, inciso-serrate and pinnatifid with patulous lanceolate segments. *Obs.* 7481. On the banks of the Trent at King's Bromley in Staffordshire.

S. amphibium. *L. sp.* 917, so called on the supposition that a variety of it grew in dry situations.—*Willd. ber.* 219. *Roth germ.* i. 290. *Smith brit.* 702. *Krock.* n. 1059.

S. amphibium aquaticum. *Lightf.* 352; but whether he had found it in Scotland uncertain.

α serratum. Leaves inciso-serrate. *Obs.* 7481.

S. amphibium aquaticum. *L. sp.* 917. *Huds.* 296.

S. amphibium. *Bot. arr.* 691. *Var.* 1. *Fl. dan. t.* 984. *Smith engl. t.* 1810.

S. aquaticum, raphani folio, siliqua breviori. *Tourn. paris:* 230. *Vaill. paris:* 185.

Raphanus aquaticus alter. *Bauh. Casp. prodr.* 38, *cop. in*

Raphanus palustris alter. *Park. theatr.* 1229, 8.

Broad water Radish. *Pet. herb. t.* 49. *f.* 81.

Stem 4 feet long. *Calyx* yellow. *Petals* yellow, obovate. *Nectaria* 6, coalescing so as to form a tuberculated ring round the outer margin of the receptacle, 2 tubercles at the base of each of the shorter stamens between the stamens and the calyx, almost

surrounding the base of the filament, and 1 at the base of each pair of longer stamina, between the stamina and calyx, smaller. *Germen* ovali-oblong. *Style* nearly half as long as the germen. *Obs.* 7481.

♂ *incisum*. Leaves incise, serrate. *Obs.* 425. On the side of the Severn at the brick kilns under Bunde hill near Worcester.

S. amphibium terrestre. *L. sp.* 917? *Huds.* 297?

S. aquaticum foliis variis. *Vaill. paris.* 185?

Raphanus silvestris. *Dalech.* 635, repr. in

Raphanus palustris. *Dalech.* 1090.

17 *pinnatifidum*. Leaves pinnatifid. *Obs.* 4110. On the side of the Severn at the brick kilns under Bund's hill near Worcester.

S. amphibium palustre. *L. sp.* 917.

S. amphibium. *Bot. arr.* 692. var. 2.

S. aquaticum, foliis in profundas lacinias divisis, siliqua brevior. *Tourn. paris.* 230. *Vaill. paris.* 185.

Radicula sylvestris seu palustris. *Raii syn.* 301.

Raphanus aquaticus Tabernaemontani. *Bauh. J.* ii. 867, cop. in

Great jagged water Radish. *Pet. herb. t.* 49. f. 10.

Raphanus aquaticus Lobelii. *Park. theatr.* 1228, cop. from

RAPHANUS aquaticus. *Ger. by Johns.* 240.—
Dale 205. *Geoffr. suite* iii. 58.

2. *SISYMBRIUM tenuifolium*. Siliquae erect. Leaves pinnatifid; segments linear, distant, sometimes dentate; margin entire. Stem perennial, hirsutulous below. Style of the fruit ensiform. *Obs.* 7582.

In the garden of Mr. Knowlton, who gathered the seed from plants growing on the walls of Old Malton in Yorkshire.—*Gou. monsp.* 164. About Montpelier, on old walls and barren places.—*Smith brit.* 703. On old walls about Windsor;—*engl. t.* 525. *Gort. belg. foed. n.* 555. *Poll. n.* 627. On walls, sides of roads, and grassy hills.—*L. sp.* 917, who adopted it from

S. foliis infimis bis terve pinnatifidis, supremis integris, omnibus non dentatis. *Guett. ii.* 150. Near Orleans, and naturalised at Estampes.

Brassica muralis. *Huds.* 291. On old walls about London, Exeter, Bristol, and elsewhere.—*Curt. lond.* iii. 38. *t.* 158. *Bot. arr.* 709.

Eruca sativa. *Fuchs.* 261. *c.* 100, *cop. in*

Eruca tenuifolia, perennis, flore luteo. *Bauh. J.* ii. 861. On old walls.—*Tourn. paris.* 18. *Vaill. paris.* 50.

Eruca sylvestris. *Raii syn.* 296. On the walls of Chester, Taunton castle, Yarmouth, Lichfield close, Berwick, &c.

Eruca sylvestris. *Dod.* 696, *repr. in Lob. obs.* 102; *ic. i.* 204, *Ger. by Johns.* 246, & *cop. in*

Eruca sativa alba. *Park. theatr.* 817.

Erysimum vernum. *Dalech.* 653.

Style of the fruit twice as long as the stigma. *Obs.* 7672. Specimen gathered by Mr. Salt on a wall of the Green Park near Hyde Park corner Westminster.

Native possibly of Germany, and naturalised in France, England, and Wales, possibly introduced by the Romans.

ERUCA sylvestris. *Dale* 203. *Gcoffr.* iii. 437. *Lew. i.* 416. *Mill. Jos.* 188.

Eruca sylvestris major lutea, caule aspero. *Rutty* 182.

Eruca tenuifolia perennis, flore luteo. *Chom.* 541.

5. *SISYMBRIUM sylvestre*. Siliquae declinate. Leaves pinnate and pinnatifid; folioles and segments lanceolate, serrate. *Obs.* 8135. In Mr. Knowlton's garden from a plant I gathered on the banks of the Severn at Upton in Worcestershire. July.—*Obs.* 8136. Specimen gathered by Mr. Salt near Sheffield.—*L. suec. n.* 594; *sp.* 489. *Huds.* 296. On the banks of the Thames.—*Curt. lond.* iii. 41. *t.* 153. *Bot. arr.* 691. *Smith brit.* 701. *Gou. hort.* 325. At Montpellier. (*Scop. carn. n.* 822 is described as having emarginate petals.)

S. palustre repens nasturtii folio. *Tourn. paris.* 37. *Vaill. paris.* 185.

Sium tenuifolium montanum luteum. *Col. ecphr.* i. *t.* 269.

Sium alterum aquaticum luteum, vel *Cardamine tenuifolium montanum*. *Col. ecphr.* i. 266.

Eruca palustris minor. *Tab. ic.* 447, *cop. in*

Eruca aquatica. *Ger. by Johns.* 248, and *Park. theatr.* 1242. *Raii hist.* 808; *syn.* 297.

Eruca quibusdam sylvestris repens flosculo purpureo [a misprint for parvo] luteo. *Bauh. J.* ii. 866.

Sinapi tertium. *Cam. epit.* 334.

(*Eruca sylvestris*. *Fuchs.* 264, *c.* 100, *repr. in*

Sinapi alterum genus. *Fuchs.* 523. *c.* 205, is *Brassica Eruca*.)

Stem flexuose, 14 inches long, angular, slightly compressed, brownish purple here and there, scabrous with very short microscopic points, below perceptibly

to the lips. *Leaves* pinnate, towards the end pinnatifid. *Calyx* yellow; *phylla* oblong, microscopically and obsoletely dentate at the end. *Petals* yellow, twice as long as the calyx, obovate. *Nectaria* 4, glandular, green, confluent, forming a ring round the base of the germen, the 2 larger encompassing the base of the 2 shorter stamina. *Obs.* 8135.

Native of Europe from Italy to Sweden, of Middlesex, Oxfordshire, Worcestershire, Bedfordshire, Cambridgeshire, Suffolk, and Yorkshire.

ERUCA palustris. *Geoffr. suite* iii. 60.

6. *SISYMBRIUM Irio.* Leaves pinnate and pinnatifid, nearly glabrous. Stem nearly glabrous. *Siliquae* erect. *Petals* twice as long as the calyx. *Obs.* 7910. Specimen gathered in the Oxford garden.—*Obs.* 7911. Specimen gathered in the Edinburgh garden.—*L. succ. n.* 596, in gardens, into which possibly introduced with other seeds; *sp.* 921. *Huds.* 297. Common about London.—*Jacq. austr.* iv. t. 322. *Bot. arr.* 694. *Curt. lond.* v. 48. t. 311. *Smith brit.* 705; *engl. t.* 1631. *Sibth. ox.* 207. Under Merton wall and in Rose lane.

Erysimum foliis lyrato-pinnatis, extimo hastato. *L. ups.* 201.

Irio laevis apulus, erucæ folio. *Col. ecphr.* i. 264.

Irio apulus alter, levi folio erucæ. *Col. ecphr.* i. t. 265, *cop. in*

Broad hedge Mustard. *Pet. herb. t.* 46. f. 4, &

Erysimum latifolium neapolitanum. *Park. theatr.* 834. *Raii syn.* 298. About London, at Faulkbourne in Essex, and on the walls of Berwick.

Erysimum latifolium majus glabrum. *Magn. monsp.* 93. *Tourn. paris.* 20. *Vaill. paris.* 51.

Sinapis sylvestre monspessulanum, lato folio; flosculo luteo minimo, siliqua longissima. *Bauh. J. ii.* 858.

Erysimum H. Tab. ic. 449.

Native of Europe from Italy to Sweden, and of Essex; and found near London, Oxford, Wisbeach, and Berwick on rubbish and buildings.

ERYSIMUM latifolium. Dale 204.

Erysimum latifolium majus glabrum. Chom. 105.

7. *SISYMBRIUM Nasturtium*. Leaves pinnate. Siliquae declinate. Folioles entire, roundish and ovate. *Obs.* 4108. In wet ditches.—*L. à Murr.* 594. *Bot. Arr.* 690. *Huds.* 296. *Lightf.* 3350. *Krock. n.* 1055. *Fl. dan. t.* 690. *Wood. i.* 134. *t.* 48. *Thoir.* 617. *Smith brit.* 700; *engl. t.* 855. *Curt. lond. vi. t.*

S. Nasturtium aquaticum. L. succ. n. 592; *sp.* 916. *Poll. n.* 623.

S. aquaticum. Town. paris. 231. *Vaill. paris.* 185. *Boerh. i.* 15. In Holland.

S. Cardamine, sive Nasturtium aquaticum. Raii syn. 300. *Bauh. J. ii.* 884, *cop. from*

S. Cardamine. Fuchs. 684. *c.* 276, *which cop. in Nasturtium aquaticum. Trag.* 82. *Dod.* 581, *repr. in*

Sion crucacfolium Cratevae. Lob. obs. 105; *ic. i.* 209, &

Nasturtium aquaticum, sive Cratevae Sium. Ger. by Johns. 257, *abr. in*

Water Cress. Pet. herb. t. 42. *f.* 2, *and cop. in Nasturtium aquaticum vulgare. Park. theat.* 1239.

Raii hist. 816.

S. Cardamine I. Dalech. 658.

Early water Cress. *Pet. herb. t. 47. f. 3*, is probably only a younger plant,

Siliquae, valves revolute, but not opening with the rapidity with which the valves of *Cardamine hirsuta* curl up. *Obs.* 6326. In Monsal dale in Derbyshire.

SISYMBRIUM Nasturtium. Pharm. edin.—

Bry. 114. *Lew. disp. by Dunc.* 305. *Pears. R.* i. 52.

Nasturtium aquaticum. Water Cresses. Fresh herb.

Pharm. lond.—Alst. ii. 187. *Bang in act. haun.* i. 11. *Carth.* ii. 266. *Chom.* 534; *suppl.* 155. *Cull.* ii. 165. *Dale* 204. *Geoffr. suite i.* 142. *Hill* 386. *Lew.* ii. 126. *Linn.* 191. *Mertens in ph. tr.* *abr. by Hutt.* xiv. 404. *Mill. Jos.* 309. *Monro* iii. 183. *Murr.* ii. 309. *Pouteau in med. journ.* iv. 352. *Quar. anim.* 274. *Rutty* 343. *Schoepf* 104. *Schrod.* 633. *Spielm.* 60. *Stoll med.* iii. 83. 88. *Vog.* 71.

Nasturtium. Mead. mon. ii. 121. *Quar. anim.* 66.

Water Cress. Darw. ii. 139. 710. 720. *Lind seam.* 20. *Monro, Don. sold.* ii. 185. *Rush* ii. 186.

673. ERYSIMUM.

Siliqua columnar, square. *Calyx* closed. *L.*

1. *ERYSIMUM cheiranthoides.* Leaves lanceolate; margin obsoletely dentate. *Siliquae* erect. Pedicles of the fruit divaricate. Stigma as broad as the style. *Obs.* 7400. Specimen gathered in Sole's garden.—*Smith brit.* 708; *engl. t.* 942. *L. sp.*

923; *succ. n.* 601. *Huds.* 287. *Poll. n.* 634. *Lightf.* 357. Observed by Sibbald in corn fields. — *Bot. arr.* 697. *Jacq. austr. i. t.* 23. *Fl. dan. t.* 731. Siliquae represented as attenuate; *t.* 923. Leaves serrate.

Cheiranthus erysimoides. *Huds.* 287, the plant growing in osier holt about Godstow near Oxford, having been found by Sibthorp to be *E. cheiranthoides*.

Cheiranthus scapigerus. *Willd. ber. n.* 663. *t.* 5. *f.* 10.

E. foliis integris lanceolatis. *L. lapp. n.* 263; *succ. ed. i. n.* 5.

Turritis leucoides folio. *Tourn. paris.* 369. *Vaill. paris.* 197. *Boerh. ii.* 15. Annual.

Myagro affinis planta, siliquis longis. *Bauh. J. ii.* 894. *Raii syn.* 298. In willow holt near Ely, and near Ashburn in Derbyshire, and observed by Newton in corn fields near Elden in Suffolk.

Myagrum alterum, thlaspi effigie. *Lob. obs.* 112, *repr. in*

Cameline, Myagrum alterum thlaspi effigie. *Lob. ic. i.* 225, &

Camelina. *Ger. by Johns.* 273, & *cop. in*

Myagrum aliud, thlaspi effigie. *Dalech.* 1137,

Camelina, sive Myagrum alterum amarum. *Park. theatr.* 868, &

Treacle Wormseed. *Pet. herb. t.* 45. *f.* 2.

E. Galeno et Theophrasto. *Rati hist.* 811.

Leaves microscopically pubescent; hairs stellate, sessile, with 3 and sometimes 4 branches. *Petals* $1\frac{2}{3}$ of the tenth of an inch long; laminae cuneiform, unguis attenuate downwards, $1\frac{1}{2}$ as long as the limb.

Nectaria 4. Seeds rufous, subovate, very bitter, $\frac{1}{2}$ tenth of an inch long. *Obs.* 7400.

CAMELINA. *Dale* 204.

2. *ERYSIMUM cordifolium*.—Leaves cordate. *L.*

E. Alliaria. *L. succ. n.* 600; *sp.* 922. *Bot. arr.* 696. *Curt. lond.* ii. 48. *t.* 144; *mat. med. t.* 12. *Walc. t. Woodv.* iv. 86. *t.* 245. *Smith brit.* 708; *engl. t.* 796. *Fl. dan. t.* 935.

Hesperis allium redolens. *Tourn. paris.* 200. *Vaill. paris.* 101. *Dill. ap. Raii syn.* 293. *Boerh.* ii. 19. In Holland.

Alliaria. *Cam. epit.* 589. *Dod.* 674, repr. in *Lob. obs.* 285; *ic.* i. 530, & *Ger. by Johns.* 794, and cop. in *Park. theatr.* 112. *Raii hist.* 792; *syn. ed.* ii. 165. *Fuchs.* 104. *fol. ed. cop. in Bauh. J.* ii. 883.

Alliaria Dodonaei. *Dalech.* 911.

Alliaria Matthioli. *Dalech.* 911.

Glands 4, 1 between each pair of longer stamina and the calyx, and 1 surrounding the base of each shorter stamen, sometimes all coalescing into a dentate ring. *Siliquae* square. *Obs.* 4678.

ALLIARIA. *Pharm. austriaco-prov.* 16.—*Alst.* ii. 79. *Chom.* 654. *Dale* 200. *Geoffr.* iii. 58. *Krock. n.* 1074. *Lew.* i. 46; *disp.* 78. *Linn.* 192. *Mill. Jos.* 24. *Murr.* ii. 317. *Rutty* 13. *Schrod. app.* 5. *Vog.* 50.

E. Alliaria. *Berg.* 564. *Bry.* 98.

3. *ERYSIMUM officinale*. *Siliquae* adpressed. Leaves runcinate. *L. succ. n.* 598; *sp.* 922. *Fl. dan. t.* 560. *Bot. arr.* 695. *Smith engl. t.* 735; *brit.* 706. *Woodv.* iv. 84. *t.* 244. *Curt. lond. v. t.* 326.

E. vulgare. Boerh. ii. 14. Tourn. paris. 19. Vaill. paris. 51.

Eruca hirsuta, siliqua cauli appressa, *E. dicta.* Raii syn. 298.

Eruca siliqua cauli appressa, *E. dicta.* Raii hist. 810.

E. Irio I. Tab. ic. 448.

Verbenaca recta, sive mas. Fuchs. 566. c. 226, cop. in Dalech. 1335, &

E. Tragi, flosculis luteis, juxta muros proveniens. Bauh. J. ii. 863, abr. in

Verbena foemina. Trag. 102, & cop. in

E. Dioscoridis, Lobelii. Ger. by Johns. 254, which repr. from

Irio, sive *Erysimum.* Dod. 702. Lob. obs. 103. No fig.

Irio sive *E. Dioscoridis.* Lob. adv. 69, repr. in ic. i. 206, & cop. in

Irio sive *E. vulgare.* Park. theatr. 833.

ERYSIMUM. Alst. ii. 135. Berg. 562. Dale 203. Herm. 521. Krock. n. 1072. Lew. i. 418; disp. by Dunc. 341. Linn. 192. Mill. Jos. 190. Murr. ii. 315. Rully 185. Schoepf 104. Spielm. 534. Vog. 62.

E. vulgare. Boulduc in ac. sc. abr. by Southw. iii. 287. Carth. ii. 266. 296. Geoffr. iii. 444.

E. Lobelii. Isnard in ac. sc. abr. by Southw. iii. 287.

4. **ERYSIMUM.** *lyrifolium.* Leaves lyrato-pinnate and lyrate. Siliquae obsoletely tetragonous. Obs. 4784. In moist ground.

E. Barbarea. L. sp. 922. Bot. arr. 696. Walc. t. Smith brit. 706.

Sisymbrium erucæ folio glabro, flore luteo. *Tourn. paris.* 361. *Vaill. paris.* 185.

Erucæ lutea, seu *Barbarea*. *Raii syn.* 297.

Herba Sanctæ Barbaræ. *Fuchs.* 705. c. 285, *abr. in Träg.* 101, & *cop. in*

Barbarea. *Bauh. J.* ii. 869. *Raii hist.* 809. *Dod.* 700, *repr. in Ger. by Johns.* 243, & *cop. in*

Barbarea simplex. *Park. theatr.* 820.

Nectaria 4, 1 between each pair of longer stamina and the calyx, 1 between each shorter stamen and the germen, embracing the base of the filaments. *Obs.* 4784.

BARBAREA. *Berg.* 563. *Dale* 204. *Geoffr. suite* iii. 63. *Krock. n.* 1073. *Murr.* ii. 318.

E. Barbarea. *Bry.* 99.

♀ tenuifolium. Leaves thinner. *Obs.* 4898. In a garden.

E. præcox. *Smith brit.* 707; *engl. t.* 1129.

E. Barbarea β . *L. sp.* 922; *succ.* 599. *Bot. arr.* 696.

Barbarea foliis minoribus et frequentius sinuatis. *Dill. ap. Raii syn.* 297.

Barbareæ species alia: *Raii hist.* 809.

Early winter Cress. *Pet. herb. t.* 46. *f.* 2.

BELLE ISLE CRESS.

674. CHEIRANTHUS.

Calyx closed; 2 of the phylla gibbous at the base.

Nectaria 4 and 2. *Obs.* 7406. *L.*

1. **CHEIRANTHUS muralis**. Leaves lanceolate, acute; margin entire; strigæ simple. Petals several times

broader than the calyx. *Obs.* 97. In a garden.—
Salisb. R. hort. 271.

C. Cheiri. *L. sp.* 924. *Hort. kew.* ii. 395.

CHEIRI. *Pharm. austriaco-prov.* 29.—*Berg.*
565. *Dale* 200. *Herm.* 599. *Krock. n.* 1080.
Lew. i. 327. *Linn.* 193. *Murr.* ii. 339. *Schrod.*
564. *Spielm.* 556. *Vog.* 145.

Leucoium. *Alst.* ii. 163. *Carth.* iii. 176. *Rutty*
283.

Keiri. *Geoffr.* iii. 640. *Mill. Jos.* 251.

Giroflier jaune. *Chom.* 166; *suppl.* 56.

α canescens. Leaves hoary underneath. *Obs.* 7405. In
an herbal collected at Stourbridge.—On the rock
on which Nottingham Castle stands. A domesti-
cated plant.

C. Cheiri. *Walc. t. Bot. arr.* 699.

C. fruticosus. *Smith brit.* 709. (*L. mant.* 94 is
described as having flowers 8 times smaller than
those of *C. Cheiri.*)

Leucoium luteum vulgare. *Tourn. paris.* 480. On
the walls and ramparts of Paris.

Leucoium petraeum lignosius, folio rigido canescente,
vulgatissimum. *Pluk. alm.* 214. *Vaill. paris.*
115.

Leucoium luteum, vulgo Cheiri, flore simplici. *Raii*
hist. 782; *syn.* 291. On old walls and roofs.—
Bauh. J. ii. 872, *cop. from*

Viola lutea. *Fuchs.* 449. c. 175, *which abr. in*
Trag. 560.

Viola petraea lutea. *Tab. ic.* 305.

β hortensis. Leaves green to the naked eye. *Obs.*
7406. In a garden where it has grown 3 years.—
Hort. kew. β

Leucoion luteum. *Dod.* 160, *repr. in*

Viola lutea. Ger. by Johns. 456, & cop. in
Keiri, sive *Leucoium vulgare luteum.* Park. theatr.
 625.

Keiri, sive *Leucoium luteum vulgare.* Park. par. t.
 259. f. 1.

2. CHEIRANTHUS *incanus.* Leaves lanceolato-
 oblong and lanceolate, entire, tomentose and gla-
 brous. Siliquae truncate, compressed. Stem suf-
 fruticose. Obs. 7407. In a garden.—*L. sp.* 924.
Hort. kew. ii. 395.

a luteriflorus. Hort. kew. ii. 396.

C. incanus. Mill. Ph. dict. n. 6.

Leucoium candidum majus. Dod. 159, repr. in

Leucoium purpureum et album. Lob. obs. 179,

Viola alba et purpurea. Lob. ic. i. 329, &

Leucoium album, sive *purpureum*, sive *violaceum.*

Ger. by Johns. 458, & cop. in

Leucoium album vel purpureum. Park. theatr.
 622.

Leucoium simplex sativum, diversorum colorum.

Park. par. 258. t. 259. f. 5, 6.

Viola matronalis. Fuchs. 310. c. 119, the 3rd of the
 3 figures cop. in

Leucoium hyemale et diu durans, *purpureum et*
rosenum ac etiam album. Bauh. J. ii. 874, &

Viola purpurea, caerulea, rosea, candida. Trag. 561,
 perhaps ought to be referred to *v.*

Stem rather woody, terminated by leaves. Flower-
 ing branches lateral, from near the stem. Nectaria 2,
 green, glandular, pentagonal, almost surrounding the
 base of the shorter stamina. Obs. 7407.

LEUCOIUM album. Dale 199. Mill. J. 265.

675. HESPERIS.

Calyx closed; 2 of the *phylla* gibbous at the base.

Nectaria 2, at the base of the shorter filaments.

Siliqua compresso-plane. *Seeds* compressed. *Obs.* 908, and the account of the fruit from *L.*

1. HESPERIS *matronalis*. Leaves ovato-lanceolate; margin dentate; hairs dichotomous. Petals mostly with a short mucro at the end. *Obs.* 7. In a garden.—*L. sp.* 927. *Hort. kew.* i. 398. *Krock.* n. 1082.

H. hortensis. *Raii hist.* 790. In meadows between Salernum and Naples.

Viola matronalis. *Dod. flor.* 24, repr. in pempt. 161,

H. II. Clus. pann. 336, (the descr. belonging to *H. inodora*),

H. III. Clus. hist. i. 297, &

V. matronalis, flore purpureo sive albo. *Ger. by Johns.* 462, & cop. in

H. panonica inodora. *Park. theatr.* 1682, (the name and descr. at 628 belonging to *H. inodora*).

H. vulgaris. *Park. par. t.* 263. f. 5.

Stem with flowering branches above. *Leaves* finely acuminate; hairs forked with simple ones interspersed. *Obs.* 7. 4823.

HESPERIS. *Dale* 200.

Viola matronalis. *Geoffr. suite iii.* 322.

a purpurea. Corolla whitish purple. *Obs.* 4823. Specimen from a garden.

H. hortensis. *Vaill. paris.* 101. In the park of Saint Maur.

Viola purpurea. *Fuchs.* 450. c. 175.

H. flore purpureo. *Bauh. J.* ii. 877. No fig.

β *alba.* Corolla white. *Obs.* 7.

H. hortensis flore candido. *Vaill. paris.* 101.

Leucoion Dioscoridis. *Fuchs.* 448. c. 175, cop. in

H. flore albo. *Bauh. J.* ii. 878. Under hedges in the vallies of those parts of Franche Compte and the southern parts of Alsace which are in the vicinity of the Rhine.

Petals, unguis half as long again as the calyx; laminae obovate. *Obs.* 7.

676. TURRITIS.

Siliqua angular. *Calyx* erect, connivent. *Petals* erect. *Obs.* 2837. *L.*

1. *TURRITIS glabra.* Radical leaves hirsute, cauline leaves glabrous. *Obs.* 2837. In sandy lanes near Kidderminster.—*L. succ. n.* 606; *sp.* 930. *Bot. arr.* 704. *Curt. lond.* iv. 47. t. 253. *Krock. n.* 1091. *Fl. dan. t.* 809. *Smith engl. t.* 777.

T. foliis inferioribus cichoraceis, caeteris perfoliatae. *Tourn. paris.* 160. *Vaill. paris.* 197. *Boerh.* ii. 14.

Turritis. *Raii syn.* 293; *hist.* 799. *Lob. ic. i.* 220, repr. in *Ger. by Johns.* 272, &

Turrita vulgator. *Clus. hist.* ii. 126, & cop. in

T. vulgator. *Park. theatr.* 852, &

Tower Mustard. *Pet. herb. t.* 47. f. 10.

Glastifolia cichoroides. *Bauh. J.* ii. 836. No fig.

Sinapi album. *Dalech.* 1168.

Nectarium surrounding the base of the germen and filaments: *Siliquae* compressed, tetragonous, to 2 inches long. *Obs.* 2837.

TURRITIS. *Dale* 201.

677. BRASSICA.

Nectaria 4, glandular, 2 between the shorter filaments and the germen, 2 between the longer filaments and the calyx. *Calyx* erect, connivent. *Obs.* 2841. *L.*

1. *Style* rather obtuse. *L.*

1. *BRASSICA campestris.* Leaves amplexicaul, lower lyrate, hispidulous; upper cordate. *From Roth germ.* i. 285; ii. *pars* ii. 113; *Smith brit.* 718, and *L. sp.* 931; *succ. n.* 608. *Fl. dan. t.* 550. Leaves sagittate, entire; margin entire.

Brassica. *L. lapp. n.* 265.

BRASSICA campestris. *Krock. n.* 1094.

2. *BRASSICA Napus.* Leaves amplexicaul, glabrous, dentate at the margin, lowermost lyrate. *Style* longer than the breadth of the siliqua. *Obs.* 7085. In a garden into which transplanted the preceding autumn from a field where cultivated for spring fodder.—*Smith brit.* 719. *L. sp.* 931; *succ. n.* 547. *Mart. rust. t.* 103. *Bot. arr.* 707. (*Walc. t.* is *Sinapis Rapa.*)

B. gongylodes. *Mill. Ph. dict. n.* 8.

Napus sylvestris. *Raii syn.* 295. *Vaill. paris.* 144.

Boerh. ii. 13. In Holland.—*Fuchs.* 180. c. 63, cop. in *Dalech.* 645, *Bauh. J.* ii. 843, &.

Napus. *Trag.* 730.

Bunias sylvestris Lobelii. *Ger. by Johns.* 235, cop. in

Bunias, sive Napus sylvestris. *Park. theatr.* 865.

Stem glaucous. *Leaves* glaucous, uppermost dentate at the margin. *Calyx* green and greenish yellow, some patulous, others erect with the ends horizontal. *Petals* similar to those of *Sinapis Rapa*, just sensibly larger, bright yellow, incumbent, slightly rugose and undulate. *Filaments*, the 4 longer one third longer than the unguis of the petals. *Germen* and *siliquae* sessile. *Obs.* 7085.

NAPUS sylvestris. *Dale* 202. *Mill. Jos.* 307.

Bunias. *Lew.* ii. 124. *Murr.* ii. 336.

Bunium. *Geoffr. suite* i. 129.

β *sativa.* (Variation.) Root broader. From the figures of authors.

Rapa Napus. *Mill. Ph. dict. n.* 3.

Napus sativa. *Magn. monsp.* 181; *hort.* 141.

B. radice caulescente fusiformi. *L. ups.* 190.

Napus sativus. *Dalech.* 644. *Park. par. t.* 507. f. 5. *Fuchs.* 180. c. 63, cop. in

Napus. *Bauh. J.* ii. 842. *Dod.* 663; repr. in *Lob. obs.* 99,

Bunias, sive Napus. *Lob. ic.* i. 200, &

Bunias. *Ger. by Johns.* 235.

Leaves purplish glaucous, upper amplexicaul. *Style* ensiform, longer than the breadth of the germen, thrice as long as the breadth of the siliqua. *Obs.* 2539. In a garden from seeds sent me by Dr. Lettsom under the title of Mowing Cabbage of the Abbe Commerell.

NAPUS. *Pharm.* austriaco-prov. 51.—*Alst.* ii. 332. *Berg.* 566. *Herm.* 308. *Krock.* n. 1095. *Lew.* ii. 124. *Linn.* 193; *disp.* by *Roth.* 202. *Monro* iii. 182. *Murr.* ii. 336. *Rutty* 341. *Schrod.* 632. *Spieln.* 66.

B. Napus. *Bry.* 122.

Napus dulcis. *Dale* 202. *Mill. Jōs.* 306.

Napus vulgaris. *Geoffr. suite* i. 125.

3. *BRASSICA oleracea*. Leaves glabrous, upper amplexicaul and sessile; margin dentate. 4 longer filaments somewhat longer than the unguis of the petals. *Obs.* 5177. Specimen gathered on the side of the town ditch in Digley meadows near Worcester.—*L. sp.* 932. *Krock.* n. 1096.

BRASSICA. *Schrod.* 549.

B. oleracea. *Lew. disp.* by *Rother.* 118. *Pears.* R. i. 50.

Cabbage. *Blizard,* account from *in med. rev.* i. 331. *Brown* ii. 248. *Darw.* ii. 40. 139. *Lind seam.* 20.

- a sylvestris*. Leaves green with a shade of glaucous; costa purplish red at the base. *From Freem. t.* 4. 5. On the sea coast of the north riding of Yorkshire plentifully.—*L. sp.* 932 *a.* *Huds.* 289. Near Harlech castle in Merionethshire, and Penzance and elsewhere in Cornwall.—*Bot. arr.* 708. *Smith brit.* 720; *engl. t.* 637.

Brassicae tertium genus. *Fuchs.* 407. c. 159, *imit.* in *Dalech.* 524, *cop. in*

B. rubra minor. *Bauh. J.* ii. 833, (the name and descr. belonging to another var.)

B. silvestris. *Dalech.* 524, & *Dod.* 615, on the sand hills on the coast of Zeland, which repr. in *Ger.*

by Johns. 316, and cop. in *Park. theatr.* 269.
Raii cat. ed. i. 46; *ed. ii.* 43. On Dover cliffs and
 divers other the like places.—*Mill. Ph. dict. n.* 4,
 where in the 2nd line from the bottom of column
 the 2nd, for second read fourth.

B. arborea, seu procerior ramosa maritima. *Raii
 hist.* 796; *syn.* 293.

Leaves lyrato-pinnate, slightly curled, glabrous;
 terminal foliole oval, pinnatifid below; lower folioles
 small, alternate, some very small. *Racemi* erect.
Pedicles divaricate. *Siliquae* erect, slightly incur-
 vate, tetragonous, slightly compressed. *Style* subulato-
 triangular, truncate, shorter than the breadth of the
 siliqua. *Seeds* globular, blackish fuscous, glabrous.
Obs. 7626. In the garden of Mr. Knowlton who
 informed me that the plant or seeds whence it was
 produced came from the sea coast of Yorkshire.

BRASSICA sectilis. *Berg.* 576.

B. oleracea, vel sylvestris. *Bry.* 76. 83.

β *viridis.* Leaves white with a tinge of glaucous.
 From *J. Bauhine.*—*L.* β.

B. vulgaris sativa. *Dod.* 610, repr. in *Lob. obs.*
 122; *ic. i.* 243, and *Ger. by Johns.* 312, and
cop. in

B. sativa. *Park. theatr.* 268.

BRASSICA alba vulgaris. *Bauh. J.* ii. 829.—
Geoffr. iii. 212.

B. non capitata. *Rutty* 71.

γ *subrubens.* Leaves red. From *J. Bauhine.*

Brassicae primum genus. *Fuchs.* 406. c. 159, *cop.*
in

Brassica. *Trag.* 720,

B. sylvestris, Crambe dicta. *Dod.* 612, and

BRASSICA rubra vulgaris. *Bauh. J.* ii. 831.
Raii hist. 796.—*Geoffr.* iii. 212.

B. rubra. *Lew.* i. 236.

Caulis rubra. *Dale* 201,

δ *rubra.* Leaves red, before flowering forming a roundish head. *From memory.*—*L. sp. γ.* *Hort. kew.* β. Red Cabbage. *Park. par.* 504. No fig.

BRASSICA capitata rubra. *Boerh.* ii. 11. *Raii hist.* 795. *Bauh. J.* ii. 831.—*Dale* 201. *Geoffr.* iii. 212. *Lew.* i. 236. *Spielm.* 46.

B. rubra. *Berg.* 571. *Linn.* 194. *Murr.* ii. 329. *Rutty* 73.

ε *capitata.* Leaves before flowering forming a roundish head, smooth. *Obs.* 2812. In a garden.—*L. sp.* 932. δ. *Hort. kew.* α

Brassicæ quartum genus. *Fuchs.* 407. c. 159, *which imit. in*

Caulis capitatus. *Trag.* 717, & *cop. in*

B. capitata rubra. *Dod.* 611, (the name and descr. belonging to γ) *which repr. in Ger. by Johns.* 313, the name and descr. belonging to γ) & *cop. again in*

B. capitata alba. *Bauh. J.* ii, 826. *Raii hist.* 794. *Ger. by Johns.* 312, *repr. from*

B. capitata albida. *Dod.* 612, *which repr. in*

B. alba sessilis glomerosa. *Lob. ic.* i. 243, &

B. capitata. *Lob. obs.* 123, and *cop. in Park. theatr.* 268. *Cam. epit.* 250.

Leaves, upper amplexicaul. *Obs.* 5177.—*Leaves,* upper sessile. *Germina* and *siliquæ* stipitate; stipites as long as the breadth of the receptacle. *Obs.* 7086.—*Calyx* sometimes patulous. *Obs.* 2812.

BRASSICA capitata alba. *Geoffr.* iii. 211. *Lew.* i. 236. *Murr.* ii. 329. *Rutty* 71.

B. alba. *Berg.* 568.

Brassica. *Alst.* ii. 332.

B. sativa. Dale 201. Mill. Jos. 91.

B. praecox. Bry. 76.

Cabbage. Darw. ii. 720. 754. Rush v. 177.

Colewort. Cull. pract. n. 1680.

BRASSICA muricata. Ploucq. bibl. i. 259.

Sour kroust. Blane 122. 305. Clark, J. long voy. 519. Cook voy. 3rd, iv. 309, & in ph. tr. abr. by Hutt. xiv. 59. Monro, Don. sold. ii. 191.

Sour Cabbage. Guthrie in ph. tr. abr. by Hutt. xiv. 397. Mertens ib. 402. 403.

8 *sabauda.* Leaves before flowering forming a roundish head, rugose. From memory.—*L. sp. ε.* Hort. kew. γ

B. sabauda. Dod. 613, repr. in

B. patula crispa sabauda aestiva. Lob. ic. i. 244, &

B. patula. Ger. by Johns. 313, & cop. in

B. sabauda rugosa. Bauh. J. ii. 828. Raii hist. 795.

B. sabellica. Ren. 134. t. 133.

B. crispa. Cam. epit. 249.

BRASSICA alba crispa. Geoffr. iii. 213.

B. sabauda. Berg. 570. Lew. i. 236.

B. viridis. Bry. 76.

11 *glomerosa.* *B. italica tenerrima glomerosa, flore albo.* Bauh. J. ii. 827. Raii hist. 795.

B. sabauda hiberna. Lob. ic. i. 244, repr. in

BRASSICA sabauda. Ger. by Johns. 315.—Bry. 76. Dale 201.

9 *sabellica.* Leaves curled at the margin. From memory.—*L. sp. 9.* Hort. kew. ii. 402 δ

Brassicac secundum genus. Fuchs. 406. c. 159, cop. in

B. crispa laciniosa. Bauh. J. ii. 832, &

- B. nigra.* Dalech. 523, & abr. in
Caulis crispa. Park. par. t. 505. f. 7. f. 5. (The printed names from 5 to 7 do not correspond with the figures.)
- B. tophosa.* Bauh. J. ii. 830, cop. in Ger. by Johns. 314.
- B. crispa.* Dod. 611, repr. in
- B. sativa crispa.* Ger. by Johns. 312,
- BRASSICA** *fimbriata.* Lob. obs. 124, & ic. i. 247. Boerh. ii. 11. Raii hist. 796.—Murr. ii. 329.
- B. sabellica.* Berg. 575. Bry. 76.
- Olus atrum.* Herm. 309.
- selenisia.* Leaves pinnate; folioles laciniate. Obs. 8266. In a garden.—*L. sp. **
- B. crispa, seu apiana.* Trag. 721, cop. in
- B. tenuissima laciniata.* Bauh. J. ii. 832, &
- B. crispa.* Dalech. 524.
- B. tenuifolia laciniata.* Lob. obs. 123, repr. in ic. i. 245, cop. in Dalech. 524, &
- B. laciniata.* Park. theatr. 269, & repr. in
- BRASSICA** *selinoides.* Dod. 611, & Ger. by Johns. 315 — Spielm. 46.
- x laciniata.* (Variation.) Purplish green. From memory.—*L. sp. ?*
- B. nigra.* Dod. 614, repr. in
- B. rubra.* Ger. by Johns. 312.
- BRASSICA** *laciniata rubra.* Bauh. J. ii. 832.
- No fig.
- x botrytis.* Stem before flowering forming an obovate head surrounded by oblong leaves. From memory.—*L. sp. 1. Hort. kew. **
- B. cauliflora.* Cam. epit. 250. Ren. 131. t. 133. Boerh. ii. 11. Dod. 613, repr. in

B. florida. *Ger. by Johns.* 314, *cop. in*

B. pompeiana *Dalech.* 522, & *imit. in*

B. florida botrytis. *Lob. obs.* 123, *which repr. in*
ic. i. 245, &

B. sabauda crispata. *Ger. by Johns.* 315, (name and
deser. belonging to *n*) *imit. in*

Caulis florida. *Park. par. l.* 505. *f.* 4, & *cop. in*

B. florida. *Park. theatr.* 269. *Raii hist.* 795.

BRASSICA *Botrytis.* *Mill. Ph. dict. n.* 3.—*Bry.*
76. 83. *Spielm.* 46.

B. cauliflora. *Berg.* 572. *Geoffr. iii.* 213. *Lew. i.*
236.

B. florida. *Dale* 201.

Colleyflower. *Fordyce, W. fev.* 206.

μ *Broccoli.* Stem before flowering forming a roundish
whitish head surrounded by oval leaves. *From*
memory.—*Hort. kew.* ?

B. botrytis italica alba, Broccoli dicta. *Mill. Ph.*
dict. n. 3. 2.

BRASSICA *Broccoli.* *Berg.* 574.

Broccoli. *Fordyce, W. fev.* 206. *Spielm.* 46.

B. botrytis alba. *Bry.* 76.

ν *purpurea.* (Variation.) Head purplish. *From*
memory.

B. botrytis italica purpurea, Broccoli dicta. *Mill.*
Ph. dict. n. 3. 1.

BRASSICA *botrytis nigra.* *Bry.* 76.

ο *Napobrassica.* Stem globular at the base. *Obs.*
7235. In a garden, not yet in flower.—*L. sp. x.*
Hort. kew. η

B. radice napiformi. *Boerh. ii.* 12.

NAPOBRASSICA. *Berg.* 577.

B. Napobrassica. *Hermbstaedt, account from in*
phys. journ. iv. 348.

♂ *gongylodes*. Stem before flowering cylindrical, with shoots from the end and sides. *Plants* raised from seed bought in Germany, *From memory*.—*L. sp.* 932 λ

B. caulorapa. *Bauh. J.* ii. 829. Stem and leaves.

B. caule rapum gerens. *Dod.* 614, *repr. in ed.* ii. 625,

Rapa, B. peregrina, caule rapum gerens. Lob. ic. i. 246, &

Caulorapum rotundum. Ger. by Johns. 318.

B. raposa. Dalech. 522.

Caulorapa. Lab. adv. 92. No fig.

Caulorapum. Cam. epit. 251.

Leaves, cauline ones amplexicaul; margin entire and dentate. *Obs.* 7085. Specimen from Prof. Jos. F. Jacquin.

BRASSICA *gongylodes. Boerh.* ii. 11.—*Berg.* 579. *Spielm.* 46.

2. *Style ensiform. L.*

B. oleracea styligera.

4. **BRASSICA** *Eruca. Leaves* lyrate. Stem hirsute.

Siliquae glabrous. *L. sp.* 932. *Gou. hort.* 333.

In corn fields near Montpellier.—*Donn* 87.

Eruca sylvestris. Fuchs. 264. c. 100, *repr. in*

Sinapi alterum genus. Fuchs. 523. c. 205, & *cop. in*

Eruca, sive Rucula marina. Trag. 102, hairs omitted, and

Eruca major sativa annua, flore albo. Bauh. J. ii.

859. Cultivated in gardens.—*Boerh.* ii. 15. *Raii hist.* 806.

Eruca sativa. Dalech. 649. *Dod.* 696, *repr. in Lob.*

obs. 101; *ic.* i. 204, & *Ger. by Johns.* 216, & *cop. in*

Eruca sylvestris vulgatio. *Park. theatr.* 818.

Siliquae more than twice as long as the style. *Obs.* 7581. Specimen from Dr. Heise.

ERUCA. *Pharm. austriaco-prov.* 37.—*Alst.* ii. 353. *Berg.* 579. *Dale* 203. *Lew.* i. 416; *disp.* 189; *by Dunc.* 340; *by Rother.* 157. *Linn.* 194. *Mill.* *Jos.* 188. *Murr.* ii. 337. *Schrod.* 586. *Spichm.* 533. *Vog.* 161.

Eruca sativa. *Geoffr.* iii. 436.

Eruca latifolia alba sativa Dioscoridis. *Chom.* 541.

Rully 182. *Tourn.* ii. 256.

678. SINAPIS.

Nectaria 4; 2 between the shorter filaments and the germen; 2 between the longer filaments and the calyx. *Calyx* patent. *Obs.* 3835. *L.*

1. *SINAPIS alba.* *Siliquae* hispid, torose, as long as and shorter than the style. Style ensiform. *Obs.* 3834. In a garden.—*L. sp.* 933. *Curt. lond.* v. 46. *t.* 322. *Bot. arr.* 713. *Smith brit.* 721; *engl.* *t.* 1677. *Mart. rust. t.* 70. *Gærtn.* ii. 299. *t.* 143.

S. apii folio, siliqua hirsuta, semine albo aut rufo. *Boerh.* ii. 13. In Holland.

Sinapi apii folio. *Vaill. paris.* 184.

Sinapi alterum sativum. *Lob. ic.* ii. 277, *repr. in*

Sinapi album. *Ger. by Johns.* 244.

Sinapi primum genus. *Fuchs.* 525. *c.* 205, *cop. in*

Sinapi luteum sativum. *Trag.* 101, &

Sinapi album, siliqua hirsuta, semine albo et rufo.

Bauh. J. ii. 856. *Tourn. paris.* 36. *Raii hist.* 802; *syn.* 295.

Sinapi sativum alterum. *Dod.* 695, repr. in *Ger. by Johns.* 244,

Sinapi agreste, apii aut potius laveris folio. *Lob. obs.* 100, & *ic.* i. 203.

Sinapi alterum. *Cam. epit.* 533.

Sinapi sativum. *Dalech.* 646.

Sinapi. *Park. par. t.* 501. f. 5, (descr. belonging to *S. nigra.*)

SINAPIS alba. Seeds. *Pharm. edin.—Alst.* ii.

375. *Bry.* 114. *Carth.* ii. 290. *Cull.* ii. 169. 520.

Dale 202. *Geoffr. suite* iii. 47. *Krock. n.* 1101.

Lew. disp. by Dunc. 304. *Mill. Jos.* 413. *Murr.*

ii. 323; *J.* i. 241. 289. *Pears. R.* ii. 198.

Schreb. ap. Linn. 194.

Sinapi hortense, apii folio. *Schrod.* 684.

Sinapis. *Murr. J.* i. 351; ii. 280.

Eruca. *Spielm.* 481.

Mustard. *Darw.* ii. 40. 139.

2. *SINAPIS nigra.* Siliquae glabrous, tetragonous, adpressed, several times longer than the style. *Obs.* 419. On the banks of the Severn near Worcester. —*L. suec. n.* 611; *sp.* 933. *Bot. arr.* 713. *Smith brit.* 722; *engl. t.* 969. *Woodv.* iii. 409. *t.* 151. *Mart. rust. t.* 51.

Sinapi sativum secundum. *Raii hist.* 803; *syn.* 295.

Sinapi rapi folio. *Tourn. paris.* 363. *Vaill. paris.* 184.

Sinapi siliqua latiuscula glabra, semine ruffo, sive vulgare. *Bauh. J.* ii. 855.

Ordinary Mustard. *Johns. in Ger. by Johns.* 243.

n. 2. No fig. Uppermost leaves hanging down.
Sinapi sativum. *Park. par.* 502. (The fig. *S. alba.*)

SINAPIS nigra. *Bry.* 346. *Krock. n.* 1102.
Pears. R. i. 92. 178. 231; ii. 198.

Sinapi nigrum. *Alst.* ii. 375. *Geoffr. suite* iii. 46.
Murr. ii. 323. *Rutty* 486.

Sinapi. Seeds. *Pharm. lond. & noviss.*—*Adair in med. comment.* ix. 207. *Bang in act. haun.* i. 294. *Berg.* 579. *Carth.* ii. 290. *Cull.* ii. 169. 520. *Cull.* 468. *Dale* 202. *Fordyce, G. pract.* 153. 156. 208. *Heb.* 61. *Herm.* 306. *Hill* 526. *Home in tr. impr.* i. 337. *Hunt. J. jam.* 143. *Lew.* ii. 369; *disp. by Dunc.* 305. *Mead mon.* ii. 19. *Med. comment.* xii. 398. *Mill. Jos.* 412. *Monro* iii. 268. *Ploucq. bibl.* i. 506. *Quar. febr.* 218. 231; *anim.* 17. *Rogert in act. haun.* i. 188. *Schoepf* 105. *Spielm.* 487. *Swiet.* ii. 31. *Vog.* 165.

Sinapis, Linn. 194.

Sinapi anglicanum. *Callisen in act. hafn.* i. 364. 418.

Sinapi hortense, rapi folio. *Schrod.* 684.

Mustard. *Bethune in phys. journ.* xiii. 553. *Brieude, account from in chir. rev.* xi. 394. *Brown* i. 150. *Chalm.* i. 158; ii. 5. 18. 100. 102. 114. 115. 118. 148. *Cull. clin.* 198. 199. 201. 205. 239. 240. 250; *pract: n.* 1161. *Darw.* ii. 392. 705. 706. 710. 749. *Denm.* ii. 425. *Fordyce, G. fev.* ii. 151; iv. 115. 119. *Hunt. J. jam.* 143. *Kirkl. apopl.* 144. 174. *Lind hot clim.* 314. *Luxmore in med. soc.* iii. 585. *Macartan, account from in med. rev.* iii. 187. *Polidori, account from*

in phys. Journ. i. 104. *Pringle* 216. *Rush* i. 199; v. 122. 184. *Und.* ii. 16. 101.

Sinapismus. *Quar.* febr. 28. 30. 67. 120. 133. 149. 305. 426; *anim.* 6. 12. *Ranoe in act. haun.* i. 211; ii. 14. *Stoll med.* i. 54. 89; iii. 318; *aph.* n. 208. 448.

Sinapisms. *Baylies in pap.* 44. *Chalm.* i. 79. 151; ii. 114. *Crowther in facts* iv. 161. *Darw.* ii. 157. 336. *Hoven, account from in med. rev.* ii. 363. *Jackson, H. account from in chir. rev.* xviii. 63. *Monro, Don. sold.* i. 259. *Sims, James epid.* 19. 47.

3. *SINAPIS arvensis.* Siliquae angular. Style tetragonous, slightly compressed; shorter than the siliqua. *Obs.* 3835. In corn fields.—*L. succ. n.* 610; *sp.* 933. *Bot. arr.* 712. *Curt. lond.* v. 47. t. 321. *Smith engl. t.* 1748; *brit.* 721. *Scop. carn. n.* 842. *Mart. rust. t.* 101. *Poll. n.* 642. *Fl. dan. t.* 753.

SINAPIS arvensis. *Bry.* 347. *Krock. n.* 1100.

Rapistrum. *Dale* 202.

α *integrifolia.* (Variation.) Leaves entire. *Obs.* 417. In cornfields.

Sinapi arvense præcox, semine nigro, foliis integris. *Tourn. paris.* 35. *Vaill. paris.* 184. *Boerh.* ii. 13.

Irion. *Fuchs.* 259. c. 97, *cop. in*

Rapistrum flore luteo. *Bauh. J.* ii. 844, &

Rapistrum. *Dod.* 664, *which repr. in*

Rapistrum arvense alterum. *Ger. by Johns.* 234, & *cop. in.*

Lampsana vera. *Dalech.* 542, &

Irio, sive Erisimum. *Cam. epit.* 343.

β *pinnatifida*. (Variation.) Leaves pinnatifid. *Obs.* 3835. Among turneps.

Rapistrum arborum. *Raii hist.* 802; *syn.* 295. *Lob. obs.* 99, repr. in *ic.* i. 198, & *Ger. by Johns.* 233, & cop. in *Park. theatr.* 862.

Aemoracia. *Tab. ic.* 416.

Sinapi arvense præcox, semine nigro. *Tourn. paris.* 35. *Vaill. paris.* 184. *Boerh.* ii. 13. In Holland.

Nectaria 4, 2 between the longer filaments and the calyx, and 2 between the shorter filaments and the germen. Not distinguishable when in flower from *S. alba* except by the germen. *Obs.* 3835.

4. *SINAPIS pekinensis*. Siliquæ glabrous, flattish. Radical leaves turbinato-ovate, serrate-runcinate, curled. Petioles flattish, semiamplexicaul. Cauline leaves sessile. *From Lour.* ii. 485.

5. *SINAPIS brassicata*. Siliquæ glabrous. Radical leaves obovate, cauline leaves amplexicaul. *From L. nat.* iii. 231, & *Lour. Donn.* 159.

SINAPIS brassicata. *Lour.* ii. 485.

6. *SINAPIS Rapa*. Siliquæ glabrous. Radical leaves lyrato-pinnate, cauline leaves amplexicaul. *Obs.* 5179. Cultivated in a field.

Brassica Rapa. *L. sp.* 931. *Bot. arr.* 708, but I almost doubt its claim to the title even of a naturalised plant.—*Smith brit.* 719. *Mart. rust. t.* 49.

RAPA. *Berg.* 567. *Dale* 201. *Linn.* 193. *Murr.* ii. 334. *Schoepf* 104. *Spielm.* 65. *Vog.* 180. 205.

Rapum. *Lew.* ii. 264. *Rutty* 425. *Schrod.* 661.

Brassica Rapa. *Bry.* 26. 84. *Hermbstædty* account from in *phys. journ.* iv. 318. *Krock.* n. 1097.

Pears. *R.* i. 54.

Turnip. *Beal* in *ph. tr. abr. by Lowth.* ii. 630.

Brown ii. 248. *Dale* in *ph. tr. abr. by Lowth.* ii.

630; by *Hutt.* iii. 599. *Darw.* ii. 218. *Guthrie*

in *ph. tr. abr. by Hutt.* xiv. 399. *Mertens* *ib.*

403 to 405. *Und.* ii. 80.

Turnep. *Darw.* ii. 194. *Fordyce, W. fcv.* 206.

Lind seam. 20.

α *sylvestris.* Root fusiform, woody. *Obs.* 7084.

Brassica Napus. *Walc. t.*

Rapa sylvestris. *Raii hist.* i. 800.

Rapum sylvestre. *Dalech.* 640, cop. in *Ger.* by *Johns.* 233, which repr. from

Rapum sylvestre non bulbosum. *Lob. obs.* 98; which repr. in *ic.* i. 198, and cop. in

Rapum sylvestre Matthioli. *Bauh. J.* ii. 841, seems to be a fig. composed of the foliage of *S. Rapa* with the flowering stems of *S. alba*.

Stems simple branched and numerous, from 2 to 3 feet long, with a few scattered hairs below. *Leaves*, lower lyrate, hispid with scattered hairs; upper leaves of the stem and those of the branches nearly entire at the margin, glabrous. *Calyx* patent patulous and horizontal, in moist situations greenish, in dry barren situations yellow. *Filaments*, the 4 longer twice as long as the unguis of the petals. *Germen* and *siliqua* sessile. *Obs.* 5179. 7084. On shale at the mouth of an ironstone pit near Chesterfield.

RAPA sylvestris. *Dale* 202.

Rapum sylvestre. *Schrod.* 661.

β *oblonga.* Root terete, oblong, fleshy. From authors.

- Rapa sativa oblonga, seu foemina. *Rati syn.* 294.
 Rapum longum. *Cam. epit.* 219.
 Rapum oblongius. *Dod.* 662, repr. in
 Rapum tereti rotunda oblongaque radice. *Lob. obs.*
 98; *ic. i.* 197, &
 Rapum radice oblonga. *Ger. by Johns.* 232, and
imit. in
 Rapum longum. *Dalech.* 640, &
 Rapum sativum oblongum. *Bauh. J.* ii. 838.
 RAPA oblonga. *Geoffr. suite ii.* 182.
 Rapum longum, foemina. *Schrod.* 661.
 y rotunda. (Variation.) Root orbicular, depressed.
From L. ups.—L. sp. a
 Brassica Rapa. *Mart. rust. t.* 50.
 Brassica radice caulescente orbiculari depressa carnosae.
L. ups. 190.
 Rapa sativa rotunda. *Rati syn.* 294; cultivated in
 fields;—*hist.* 800.
 Rapum sativum album. *Fuchs.* 212. c. 77. impr.
in
 Rapum. *Trag.* 728. *Cam. epit.* 218. *Park. par.*
t. 507. f. 4, abr. from
 Rapum vulgare. *Dod.* 662, which repr. in
 Rapum majus orbiculatum. *Lob. obs.* 98;
 Rapum majus orbiculatum seu turbinatum. *Lob. ic.*
i. 197, &
 Rapum majus. *Ger. by Johns.* 232.
 Rapum sativum orbiculatum. *Dalech.* 640.
 RAPA rotunda. *Geoffr. suite ii.* 180.
 Rapum. *Mill. Jos.* 370.
 Rapum rotundum, mas. *Schrod.* 661.

7. SINAPIS *chinensis*: Siliquae glabrous, subarticulate, patulous. Leaves lyrato-pinnate and entire,

subhirtose. *Obs.* 8777. Specimen gathered in the Paris garden, & from *L. mant.* 95, & *Lour. Hort. kew.* ii. 403. *Lour.* ii. 485.

S. siliquis glabris subarticulatis divaricatis, foliis inferioribus lyrato-pinnatis auriculatis, superioribus lineari-lanceolatis integerrimis. Ard. i. 23. t. 10.
Siliqua thrice as long as the style.

α *lyrifolia.* Leaves lyrato-pinnate. *Obs.* 8777.

β *integrifolia.* Leaves entire. *From Lour.*

S. indicum maximum, lactucae folio. Tourn. hort. 81. Herm. par. t. 230, has siliquae 5 times as long as the style.

8. *SINAPIS cernua.* Siliquae glabrous, patulous. Radical leaf lyrate; terminal lobe very large, ovate, inciso-dentate. *Thunb. jap.* 261;—*trav.* iii. 138.

679. RAPHANUS.

Calyx closed. *Siliqua* not opening, terete, attenuate. *Obs.* 5178. *L.*

1. *RAPHANUS sativus.* Seeds in 2 rows. *Obs.* 5178. In a garden.—*L. sp.* 935. *H. K.* ii. 405. *Gaertn.* ii. 299; *t.* 143. *Lour.* ii. 481. *Kröck. n.* 1103.

Leaves lyrato-pinnate, glabrous. Siliquae ventricose below. *Obs.* 5178.

RAPHANUS. Pharm. suec.—Boecl. ap. Herm. 310. Ploucq. bibl. i. 194. 360. Schoepf 105. Spiclm. 67.

R. sativus. Bry. 40. 128. Pears. R. i. 57.

Radish. *Mertens in ph. tr. abr. by Hutt.* xiv. 404.

α *fusiformis*. Root fusiform. *Obs.* 5178.

RAPHANUS. *Berg.* 582. *Chom.* 76.

R. minor oblongus. *Chom.* 227; *suppl.* 75. *Schrod.* 660.

R. hortensis. *Date* 203. *Mill. Jos.* 368. *Rutty* 422.

R. minor. *Geoffr. suite* ii. 187.

Radiculae. *Murr.* ii. 321.

β *rotunda*. Root roundish. *From memory.*

Turnep Radish. *H. K.* ii. 405 β

RAPHANUS. *Herm.* 309. *Linn.* 195. *Schrod.* 660.

γ *nigra*. Root black. *From memory.*—*H. K.* ii. 405 γ

RAPHANUS niger. *Pharm. austriaco-prov.* 60.

—*Berg.* 582. *Murr.* ii. 321. *Schrod.* 660. *Vog.* 206.

δ *oleiferus*. *R. sativus* γ. *L. sp.* 935.

RAPHANUS chinensis annuus oliferus. *Phys. journ.* xii. 93.

2. *RAPHANUS caudatus*. Siliquae longer the stem.
From L. mant. 95, &—*L. fl. fasc.* 19. t. 10.

3. *RAPHANUS articulatus*. Siliquae articulated.
Obs. 3822. In a corn field.

R. Raphanistrum. *L. suec. n.* 612; *sp.* 935; *am.* vi. 448. t. 5. at p. 450. *Bot. arr.* 715. *Krock.* n. 1104. *Smith brit.* 723. *Gou. hort.* 334. Near Montpelier.

Raphanistrum Lampsana. *Gaertn.* ii. 30. t. 143.

Raphanistrum siliqua articulata glabra majore et minore. *Tourn. paris.* 34.

Leaves lyrato-pinnate and lyrate, hispid. *Siliquae* terete, glabrous, unilocular. *Obs.* 3822.

ARMORACIA. Dale 203. *Schrod.* 538.

α *flava.* Corolla yellow. *Obs.* 1544. *L.* β

R. Raphanistrum. *Smith engl. t.* 856. *Mart. rust. t.* 71.

Sinapis arvensis. *Fl. dan. t.* 678.

Raphanistrum arvense, flore luteo. *Tourn. paris.* 35.

Rapistrum flore luteo, siliqua glabra articulata. *Raii hist.* 805; *syn.* 296.

Raphanistrum segetum flore luteo vel pallido. *Vaill. paris.* 171. *Boerh. ii.* 21.

Rapistrum alterum arborum. *Park. theatr.* 863.

β *venosus.* Corolla yellow, with blackish veins. — *L. α.*

R. Raphanistrum. *Curt. lond. iv.* 46. *t.* 267.

γ *ochroleucus.* Corolla strawcoloured, with blackish veins. *Obs.* 1544.

Lampsana. *Cam. epit.* 233, *cop. in*

Rapistrum album articulatum. *Park. theatr.* 863.

δ *albus.* Petals white, with black veins. *Obs.* 1544.

Raphanistrum siliqua articulata glabra majore et minore. *Raii syn.* 296.

Raphanistrum arvense, flore albo. *Tourn. paris.* 35.

Vaill. paris. 171. *Boerh. ii.* 21.

Lampsana Plinii apula. *Col. ecphr. i. t.* 263.

Rapistrum flore albo striato. *Bauh. J. ii.* 851.

Lampsana flore melino. *Tab. ic.* 408.

Rapistrum flore albo, crucae foliis. *Lob. ic. i.* 199, inner fig. *repr. in*

R. sylvestris. *Ger. by Johns.* 240.

Rapistrum album articulatum. *Raii hist.* 805.

680. CAKILE.

Siliqua articulated, tetragonous; internodia not opening, monospermous and dispermous. *Obs.* 5146.
Gaertn. ii. 287. *Tourn. cor.* 49. t. 483.

1. CAKILE *pinnatifida*. Leaves pinnatifid and linear. *Obs.* 5146. Gathered by Mrs. S. Shore on the seashore near Bridlington in Yorkshire.—*Obs.* 7971. Specimen from Leske.

C. maritima. *Scop. carn. n.* 844. *Roth germ.* i. 287; ii. *pars* ii. 117. *L. a Willd.* iii. 416.

C. Serapionis. *Gaertn.* ii. 287. t. 141. *Lob. adv.* 77. No fig. *obs.* 110, *repr. in ic.* i. 223, *cop. in Dalech.* 1395,

Eruca marina anglica. *Park. theatr.* 821,

Eruca, siliqua torosa nobis, C. Serapionis. *Hist. ox.* ii. s. 3. t. 6, &

Sea Rocket. *Pet. herb. t.* 46. f. 6, & *repr. in*

Eruca marina. *Ger. by Johns.* 248. *Raii hist.* 840; *syn. ed.* ii. 176.

Bunias Cakile. *L. succ. n.* 613; *sp.* 936; *mant.* 430. *Lightf.* 363. *Bot. arr.* 716. *Smith engl. t.* 231; *brit.* 694. *Fl. dan. t.* 1168.

C. maritima, angustiori folio. *Tourn. cor.* 49. *Boerh.* ii. 21. *Zannich.* 45. t. 13. 177. 193.

C. quibusdam, aliis Eruca marina, et Raphanus marinus. *Bauh. J.* ii. 867. *Dill. ap. Raii syn.* 176.

Crambe maritima foliis erucac latioribus, fructu hastiformi. *Tourn. inst.* 212.

Erucago maritima. *Magn. hort.* 74.

Eruca maritima. *Dalech.* 1393, but the leaves represented as decomposed like those of *Selinum palustre*.

Eruca maritima italica, *siliqua hastae cuspidi simili.* *Magn. monsp.* 92. *Bauh. Casp. prodr.* 40, but the segments of the leaves attenuate, acute, *cop. in Hist. ox.* ii. 231. s. 3. t. 6, &

Eruca maritima italica. *Park. theatr.* 821.

Leaves, angles rounded. *Siliquae*, 7 tenths of an inch long; internodia 2, lower from 2 to 3 tenths of inch long; obdeltoid, monospermous, upper $\frac{1}{2}$ inch long, rhombeo-ovate, tetragonous, slightly compressed, monospermous and dispermous. *Seeds* oblong, rufous. *Obs.* 7972. Specimen gathered at Ostend.

CAKILE *Scrapionis.* *Cam. hort.* 32.

Eruca maritima. *Rutty* 182.

2. **CAKILE** *sinuatifolia.* Leaves crenato-sinuate. From *Bunias Cakile.* *Vahl symb.* ii. 78. *L. mant.* 430.

β

C. aegyptiaca. *L. a Willd.* iii. 417, from authors.

Isatis aegyptia. *Forsk. aegyptiaco-arab.* 121.

C. maritima ampliore folio. *Tourn. cor.* 49.

C. sive Eruca marina latifolia. *Bauh. J.* ii. 868.

Specimen gathered by Agerius on the shore of the Adriatic, growing with *C. pinnatifida*.—*Boerh.* ii. 21, (but the mark denoting it a native of Holland, seems to have been placed through inadvertence under n. 1 instead of n. 2.)

Raphanus siliquis ovatis angulatis monospermis. *Gron virg.* 98.

CAKILE. *Schoepf* 105.

681. CLEOME.

Nectaria 3, 1 at the 3 upper divisions of the calyx.

Petals ascending. *Siliqua* unilocular, bivalve. *L.*

Vent. tabl. iv. t. 15. f. 3.

1. CLEOME *dodecandra*. Stamina 12. Leaves ternate. *L. sp.* 939?

C. floribus octandris, foliis ternatis. L. zeyl. n. 242?

Sinapistrum triphyllum pumilum glabrum, flosculo purpureo, siliqua membranacea. Burm. J. zeyl. 216. t. 100. f. 1? Flowers axillary, solitary.

Sinapistrum indicum triphyllum, flore carneo, non spinosum. Sloane cat. 80; hist. i. 194. t. 124. f. 1. Racemus terminal.

Sinapistrum indicum triphyllum, siliqua maxima, flore albo. Boerh. i. 367?

Flowers axillary. *Calyx* tetraphyllous, pubescent; hairs globiferous. *Petals* obovate, as long as the calyx, white. *Stamina* 12, as long as the calyx. *Filaments* filiform. *Pistil* sessile, as long as the stamina. *Germen* pubescent. *Style* four times shorter than the germen. *Obs.* 8776? Specimen gathered in the Vienna garden.

CLEOME *dodecandra*. *Coxe* 370. *Schoepf* 106.

Calyx quadrifid. *Stamina* longer than the corolla.

2. CLEOME *pentaphylla*. Stamina inserted into the stipes of the germen. Leaves quinate. Stem unarmed. *Obs.* 7633. Specimen gathered by Broughton in Jamaica.—*L. sp.* 938; *mant.* 430. *Jacq. hort.*

i. 9. t. 24. *Hort. kew.* ii. 408. *Vent. tabl.* iv. 113.
t. 15. f. 3. A. Flower.

Capa-veela. *Rhede* ix. 43. t. 24.

CLEOME procumbens pentaphyllum, spica longiori terminali. *Browne* 273.

Class 16.

MONADELPHIA.

Order 1.

TRIANDRIA.

682. APHYTEIA. *Style 1. Petals 3. Calyx trifid. Berry polyspermous.*
 Tamarindus. 33.

Order 2.

TETRANDRIA.

683. STEMONA. *Style 1. Petals 4. Antherae lateral. Berry polyspermous.*
 From Lour.

Order 3.

PENTANDRIA.

- Celosia. 208. Gomphrena. 209. Achyranthes lappacea.
 207, 4.

686. *ERODIUM*. *Style* 1. *Petals* 5. *Capsule* pentecocous, rostrate. *Calyx* pentaphyllous. *Obs.* 6935.
684. *PASSIFLORA*. *Styles* 3. *Petals* 5, inserted into the calyx. *Nectarium* inserted into the calyx. *Berry* unilocular, polyspermous. *Obs.* 8182.
685. *MELOCHIA*. *Styles* 5. *Petals* 5. *Calyx* single and double. *Capsule* quinquelocular. *From L. & Willd.*

Order 4.

H E X A N D R I A.

687. *PIMELA*. *Style* 1. *Petals* 3. *Drupe*. *From Lour.*

Order 5.

H E P T A N D R I A.

688. *PELARGONIUM*. *Style* 1. *Petals* 5. *Capsule* pentecocous, rostrate. *Calyx* quinquepartite; upper

segment terminating below in
a tube running down the pe-
duncle. *Obs.* 5138.

Order 6.

OCTANDRIA.

689. POLYGALA.

Style 1. *Petals* 3, unequal,
connected by the intervention
of the filament. *Calyx* pen-
taphyllous. *Capsule* bilocu-
lar. *Obs.* 2337.

690. PISTIA.

Style 1; *Corolla* none. *Cap-
sule* unilocular.

Order 7.

DECANDRIA.

Cytisus nitidifolius.

1. *Style* 1.

693. ERYTHRINA.

Vexillum many times longer
than the alae and carina. *Obs.*
8780.

691. DERRIS.

Legumen membranaceous. *Pe-
tals* falcate at the base. *Lour.*

692. ABRUS. *Legumen* rhombic. *Stamina* 9. *Filament* cloven along the upper side. *Calyx* quadridentate. *Obs.* 8272.
694. SPARTIUM. *Calyx* bifid above; lower lip quinquedentate at the end. *Stigma* villose. *Obs.* 3372.
695. GENISTA. *Calyx* bilabiate; upper lip bifid, lower trifid. *Stigma* glabrous. *Obs.* 3705.
699. LUPINUS. *Legumen* coriaceous. *Antherae*, 5 oblong, 5 round.
698. ANTHYLLIS. *Legumen* roundish. *Calyx* turgid.
700. ARACHIS. *Legumen* not opening, dispermous. *Corolla* resupinate.
696. ONONIS. *Legumen* turgid. *Filament* entire below. *Obs.* 4976.
697. CROTALARIA. *Legumen* turgid. *Filament* cloven along the upper side. *Obs.* 6869.

2. *Styles* 5.

701. HUGONIA. *Drupe* monospermous. *Calyx* quinquepartite; segments unequal. *Petals* 5. *From L. & Willd.*

Order 8.

D O D E C A N D R I A.

702. STERCULIA. *Style 1. Corolla none. Calyx single. Capsules 5, unilocular.*

Order 9.

P O L Y A N D R I A.

1. *Flowers complete. Germen superior.*

714. MESUA. *Style 1. Petals 4. Calyx tetraphyllous. Nut.*
703. INGA. *Style 1. Corolla quinquefid. Legumen. From L. a Willd.*
704. CAROLINEA. *Style 1. Petals 5. Calyx single, truncate. Capsule unilocular, polyspermous.*
715. CAMELLIA. *Style 1. Petals 5 and 7. Calyx polyphyllous. Capsule.*
706. BOMBAX. *Style 1. Petals 1 and 5. Calyx single, quinquefid and trifid. Capsule quinquelocular.*
705. ADANSONIA. *Style 1. Calyx single. Cap-*

sule decemlocular, polyspermous, with a farinaceous pulp.

L. a Willd.

707. *SIDA.*

Style multipartite and several. *Calyx* single. *Capsules* several, unilocular; cells monospermous dispermous and trispermous. *Obs.* 7195.

712. *Gossypium.*

Style 1. *Petals* 5. *Calyx* double; outer trifid. *Capsule* trilocular and quadrilocular.

710. *LAVATERA.*

Style 1. *Petals* 5. *Calyx* double; outer trifid. *Capsules* unilocular, monospermous. *Obs.* 6088.

709. *ALCEA.*

Style 1. *Petals* 5. *Calyx* double; outer sexfid and septemfid. *Capsules* unilocular, monospermous. *Obs.* 6042.

708. *ALTHAEA.*

Style 1. *Petals* 5. *Calyx* double; outer partite; segments 9 to 12. *Capsules* unilocular, monospermous. *Obs.* 5059.

711. *MALVA.*

Style 1. *Petals* 5. *Calyx* double; outer mostly triphyllous. *Capsules* unilocular and bilocular. *Obs.* 4039.

713. *HIBISCUS.*

Style 1. *Petals* 5. *Calyx* double; outer with from 3 to

many phylla and multipartite. Capsule quinquelocular, quinquevalve.

2. *Flowers complete. Germen inferior.*

716. METEORUS. *Style 1. Corolla monopetalous. Calyx quadrifid. Drupe monospermous. From Lour.*

717. BARRINGTONIA. *Style 1. Calyx diphyllous. Petals 4.*

718. GUSTAVIA. *Style 1. Calyx quadrifid and sexfid. Petals 4 and 6. Berry dry, quadrilocular and quinquelocular, polyspermous. L. a Willd.*

3. *Flowers calycine.*

719. CORDYLA. *Style 1. Calyx quadrifid. Berry unilocular, stipitate. From Lour.*

TRIANDRIA.

682. APHYTEIA.

Calyx infundibuliform, trifid. Petals 3, inserted into

the calyx, shorter than the calyx. *Germen* nearly inferior. *Berry* unilocular, polyspermous. *From* *L. fil. suppl.* 48.

1. APHYTEIA *Hydnora*. *L. fil. suppl.* 301.

TETRANDRIA.

683. STEMONA.

Calyx none. *Petals* 4, erect. *Antherae* lateral. *Berry* unilocular, polyspermous. *Lour.*

1. STEMONA *tuberosa*. *Lour.* ii. 490.
UBIUM *polypoides*. *Rumph.* v. 364. t. 129.

PENTANDRIA.

684. PASSIFLORA.

Petals 5. *Nectarium* annular, on the inside of the calyx. *Germen* stipitate. *Berry* unilocular, polyspermous. *Obs.* 8182. *From* *P. caerulea*.—*L.*

1. *Leaves* undivided. *L.*

1. PASSIFLORA *maliformis*. *Involucrum* triphyl-
 lous, larger than the flower. *Leaves* cordato-ovate,

triplinervose; margin entire. *Obs.* 3505. In Lady Clifford's garden.—*L. a Willd.* iii. 608; *sp.* 1355. *Hort. kew.* iii. 306. *Andr. rep.* iv. t. 217.

P. foliis indivisis cordato-oblongis integerrimis, petiolis biglandulosis, involucris integerrimis. *L. am.* i. 254. n. 5. t. f. 5.

P. foliis cordatis productis, petiolis biglandulis, fructu sphaerico, pericarpio duro. *Browne* 329.

Granadilla, quae Clematidis indica latifolia, flore clavato, fructu maliformi. *Boerh.* ii. 82.

Clematis indica latifolia, flore clavato, fructu maliformi. *Plum. amer.* 67. t. 82.

PASSIFLORA maliformis. *Bry.* 208. *Wright in med. journ.* viii. 274.

2. *PASSIFLORA quadrangularis.* Leaves entire at the margin. Calyx triphyllous, shorter than the corolla. Peduncle triquetrous. *From Sow. in lin. tr.* ii, t. 3. f. a. *L. sp.* 1356. *H. K.* iii. 306. *Jacq. amer.* 231. t. 143; 8vo, 296.

P. foliis amplioribus cordatis, petiolis glandulis sex notatis, caule quadrigono alato. *Browne* 327.

PASSIFLORA hexangularis. *Wright in med. journ.* viii. 274.

3. *PASSIFLORA laurifolia.* Leaves entire at the margin. Calyx triphyllous, as long as the corolla. *From Sow. in lin. tr.* ii. 24. t. 4. f. c. *L. sp.* 1356. *Hort. kew.* iii. 307. *Jacq. amer.* 8vo, 297; *hort.* ii. 76. t. 162.

P. foliis indivisis integerrimis, involucris dentatis. *L. am.* i. 255. n. 6. t. at p. 278. f. 6.

P. foliis ovatis, petiolis biglandulis, bacca molli ovata. Browne 327.

P. arborea, laurinis foliis, americana. Pluk. alm. 282; phyt. t. 211. f. 3. No fructifications.

Clematis indica, fructu citriformi, foliis oblongis. Plum. amer. 64. t. 80.

PASSIFLORA laurifolia. Bry. 209. Wright in med. journ. viii. 274.

2. *Leaves bilobate. L.*

4. *PASSIFLORA Murucuja.* Leaves bilobate, with a mucro in the middle of the sinus. Petioles without glands. Nectarium campanulate, truncate, entire at the margin. *Obs. 8764. Specimen gathered by Dr. Wright in Jamaica, and from L. a Willd. iii. 612; sp. 1357; mant. 492, & Swartz. obs. 336. Sal. W. 66.*

P. foliis bilobis obtusis basi indivisis, nectariis monophyllis. L. am. i. 257. t. at p. 278. f. 10.

P. foliis tenuioribus trinerviis bicornibus lunatis, sinu anteriori obtuso. Browne 328.

Clematis indica, flore puniceo, folio lunato. Plum. amer. 72. t. 87.

PASSIFLORA rubra. Wright in med. journ. viii. 275.

3. *Leaves trilobate. L.*

5. *PASSIFLORA normalis.* Leaves emarginate at the base; lobes linear, obtuse, divaricate; middlemost obsolete, mucronate. *L. sp. 1357; mant. 492; am. v. 403. Sal. R. hort. 155.*

P. foliis trilobis, cruribus angustis oblongis, intermedio fere obsoleto. Browne 328.

COANENEPILLIS. Hern. 301. t.

6. *PASSIFLORA lutea.* Leaves cordate, glabrous; lobes ovate; petioles without glands. *L. sp.* 1358; *mant.* 492. *Hort. kew.* iii. 308. *Jacq. coll.* ii. 282; *ic.* iii. t. 607.

P. foliis trilobis cordatis aequalibus obtusis glabris integerrimis. L. am. i. 259. n. 13. t. f. 13.

Clematis passionalis triphyllus, flore luteo. Hist. ox. s. 1. t. 2. f. 3.

Clematis, sen Flos passionis americana, luteo flore. Raii hist. 651.

PASSIFLORA lutea. Schoepf 130.

7. *PASSIFLORA incarnata.* Lobes of the leaves serrate, equal. Petioles with 2 glands. *H. K.* iii. 310; *L. sp.* 1360; *mant.* 293. *Jacq. coll.* i. 107; *ic.* i. t. 167.

P. foliis trilobis serratis. L. am. i. 264. n. 19. t. f. 19. A. to E. Gron. virg. 140.

Granadilla hispanis, Flos passionis italis. Col. ap. Hern. t. 889. Boerh. ii. 81. Raii hist. 649.

Maracoc, sive Clematis virginiana. Park. par. 393. t. 395. f. 7, imit. in

Clematis trifolia, sive Flos passionis. Ger. by Johns. 1592.

Granadilla hederæ similis. Bauh. J. ii. 114. No fig.

Granadilla. Dalech. 1918. No fig.

PASSIFLORA incarnata. Schoepf 131.

Passiflora. Vog. 266.

685. MELOCHIA.

Calyx single and double. *Petals* 5, patent. *Filaments* subulate. *Styles* 5. *Capsule* quinquelocular; cells monospermous and dispermous. *From L. a Willd. and a Schreb. L.*

1. MELOCHIA *corchorifolia*. Flowers capitate. Heads sessile. Capsules roundish. Leaves subcordate, sublobate. *L. a Murr.* 611; *sp.* 944. *Hort. kew.* ii. 413.

M. corchori folio. *Dill. hort.* 221. *t.* 176. *f.* 217.

MELOCHIA *corchorifolia*. *Lour.* ii. 494.

686. ERODIUM.

Calyx pentaphyllous. *Petals* 5. *Nectaria* 10, 5 lanceolate alternating with the stamina; 5 glandular, at the base of the stamina. *Fruit* pentecoccous, rostrate; beaks of the seeds spiral, bearded on the inner side. *Obs.* 6935. 5007. *Lherit.*

Filaments in some species distinct.

1. ERODIUM *moschatum*. Leaves pinnate; folioles incise, unequally serrate, mostly on short petioles. *Obs.* 7588. Specimen gathered near Stourbridge in Worcestershire.—*Hort. kew.* ii. 414. *Smith brit.* 728. *Lherit.*

Geranium moschatum. *L. sp.* 951. *Bot. arr.* 725. *Jacq. hort.* i. *t.* 55. *Smith engl. t.* 902. *Ger. by Johns.* 941, *cop. in Park. theatr.* 709, and repr. from

Myrrhida Plinii. *Lob. obs.* 376, which repr. in *ic.* i. 658, &

Geranium supinum. *Dod.* 63.

Geranium l. *Fuchs.* 208, cop. in

Geranium moschatum minus. *Bauh. J.* iii. b. 479.

Geranium moschatum, folio ad myrrhidem accedente, majus. *Bauh. J.* iii. b. 479.

Geranium III Plinii. *Dalech.* 1277.

Pedicles, hairs fusiform. *Obs.* 7588.

GERANIUM *moschatum.* *Dale* 236. *Lew.* i. 465. *Linn.* 196. *Mill. Jos.* 213. *Rutty* 219. *Schrod. app.* 8. *Vog.* 63.

HEXANDRIA.

687. PIMELA.

Calyx trifid. *Petals* 3. *Drupe.* *Nut* unilocular bilocular and trilocular. *Lour.*

1. **PIMELA** *oleosa.* *Nut* unilocular. *Leaves* glabrous.

Peduncles lateral. *From* *Lour.*

Canarium microcarpum. *L. a Willd.* iv. 760, from *Nanarium minimum*, sive *oleosum.* *Rumph.* ii. 162. t. 54.

PIMELA *oleosa.* *Lour.* ii. 496.

2. **PIMELA** *nigra.* *Nut* mostly bilocular. *Leaves* glabrous. *Racemi* lateral. *From* *Lour.* ii. 495.

Canarium sylvestre. *L. a Willd.* iv. 760, from

CANARIUM sylvestre alterum, sive Nanarium
Nanery. *Rumph.* ii. 155. *t.* 49.

3. *PIMELA alba*. Nut trilocular. Leaves scabrous.

Racemi mostly terminal, crowded. *From Lour.*

Canarium sinense, seu *Cana*. *Rumph.* ii. 154.

Arbor excelsa e China heic introducta. *Thunb. jap.*
368.

PIMELA alba. *Lour.* ii. 495.

HEPTANDRIA.

688. PELARGONIUM.

Calyx quinquepartite; upper segment ending below in
a tube running down the peduncle. *Corolla* penta-
petalous, irregular. *Filaments* 10, unequal, 3 and
5 without antherae. *Fruit* pentecoccous, beaked;
beaks of the seeds spiral, bearded on the inner side.
Lherit.

1. *Leaves entire.*

1. *PELARGONIUM acetosum*. Leaves cuneato-obovate,
crenate, glabrous. Petals linear. Umbels with few
flowers. Stem woody. *H. K.* ii. 430. *Curt. mag.*
t. 103. *Lherit.*

Geranium acetosum. *L. sp.* 947.

GERANIUM africanum frutescens, folio crasso et
glauco acetosae sapore. *Commel. Casp. prael.* 54.
t. 4.—*Carth.* i. 411.

2. *PELARGONIUM peltatum*. Leaves quinquelobate, peltate, glabrous, fleshy; margin entire. Branches angular. Umbels with few flowers. Stem fleshy. *Obs.* 5138. In a garden.—*H. K.* ii. 428. *Lherit.* *Geranium peltatum*. *L. sp.* 947. *Curt. mag. t.* 20. *Geranium calycibus monophyllis, foliis quinquelobis integerrimis glabris peltatis.* *Mill. Ph. ic.* 94. *t.* 140.

Leaves opposite, with a brownish purple zone towards the base. *Umbels* with 3 flowers. *Obs.* 5138.

GERANIUM africanum, foliis inferioribus asari, superioribus staphidis agriac maculatis splendentibus et acetosae sapore. *Commel. Casp. prael.* 52. *t.* 2.—*Carth.* i. 411.

OCTANDRIA.

689. POLYGALA.

Calyx pentaphyllous and triphyllous. *Petals* 3, connected by the intervention of the filament; middlemost variously divided. *Capsule* bilocular; cells monospermous. *Obs.* 2337. 5138. *L.*

1. *Calyx* pentaphyllous, 2 of the phylla larger. Middlemost segments of the corolla lacinate.

1. *POLYGALA amara*. Flowers racemose. Stems nearly erect. Radical leaves obovate, larger than those above. *L. sp.* 987.

P. buxi minoris folio, flore caeruleo. Vaill. paris.
161. t. 32. f. 2.

POLYGALA amara. Collin obs. ii. 152. Coste & Willem. in med. comment. v. 298. Krock. n. 1142. Lew. disp. by Dunc. 345. Murr. ii. 445. Quar. anim. 80. 86. 87. 131. Stoll med. ii. 27. 181; aph. n. 192.

Polygala. Pharm. austriaco-prov. 55.—Stoll med. i. 136; ii. 96. 98. 301. 324. 369; iii. 78. 84. 94.

Senega nostras. Carth. ii. 438. Schreb. ap. Linn. 200.

2. *POLYGALA vulgaris.* Middlemost lobe of the corolla laciniate. Flowers racemose. Stems herbaceous, simple, ascending. Leaves lineari-lanceolate. *Obs. 2337.* In pastures.—*L. suec. n. 632; sp. 986 β. Fl. dan. t. 516. Bot. arr. 754. Walc. t. Smith engl. t. 76; brit. 752.*

Polygalon. Trag. 571.

Polygalon multis. Bauh. J. iii. 386.

Flos ambarvalis. Dod. 253, repr. in

P. recentiorum. Lob. obs. 228; ic. i. 416, &

P. purpurea. Ger. by Johns. 564, & cop. in

P. minor. Park. theatr. 1332.

Alsine major repens perennis. Bauh. J. iii. 362, the name and descr. belonging to a different plant.)

*Polygala. Raii syn. *287; hist. 1335.*

Flowers 3 tenths of an inch long. Obs. 2337.—

Corolla monopetalous, not annular at the base. Obs. 7066. In sand, between Stafford and Weston.

POLYGALA vulgaris. Duham. in ac. sc. abr. by Southw. iii. 297, and account from in med. ess. vi. 377. Krock. n. 1141. Lew. ii. 242. Murr. ii. 444.

Polygala. *Dale* 196. *Geoffr. suite* ii. 31. *Lew. disp. by Dunc.* 346.

3. POLYGALA *paniculata*. Racemi naked. Stems herbaceous, erect, branched above. Leaves linear. *L. sp.* 987. *Swartz. obs.* 272. *t.* 7. *f.* 2.

POLYGALA herbacea minor erecta, foliis linearibus, spica multiplici terminali foliosa. *Browne* 287.

2. Calyx triphyllous.

4. POLYGALA *diversifolia*. *Swartz. obs.* 273. *L. sp.* 988.

Genistae affinis anonyma arbor, flore coluteae, buxi folio. *Sloane cat.* 141; *hist.* ii. 32. *t.* 170. *f.* 2. In fruit.

POLYGALA fruticosa, foliis glabris ovatis, capsulis subrotundis compressis emarginatis, racemis minoribus laxis axillaribus. *Browne* 287. *t.* 5. *f.* 3. 4.

3. Calyx not examined.

5. POLYGALA *Senega*. Flowers beardless, spicate. Stems herbaceous, erect. Leaves lanceolate. *Obs.* 2336. Specimen gathered by Bartram in North America, without fructifications.—*L. sp.* 990. *Bot. mag. t.* 1051. *Mill. Ph. dict. ed.* vii. *t.* 5, repr. in *ed.* viii. at art. Polygala; & *abr. by Trew ap. commerc. norimb. pro ann.* 1741. *p.* 369. *t.* 4. *f.* 1. 2. *Hort. kew.* iii. 6. *Walt.* 178. *Woodv.* ii. 253. *t.* 93. *Thornt.* 629.

P. floribus imberbibus spicatis, caule erecto herbaceo

simplicissimo, foliis lato-lanceolatis. *Gron. virg.* 103.

P. caule simplici erecto, foliis ovato-lanceolatis alternis integerrimis, racemo terminatrice erecto. *Gron. virg. ed. i.* 80.

Senega. *L. am. ii.* 139. *t. 2. at p. 141. f. 1. 2.*

SENEKA. Root. *Pharm. lond.*—Archer, account from in *phys. journ. i.* 83. 106, *chir. rev. vi.* 194, & *Und. i.* 336. *Bree* 258. *Cull. ii.* 532. *Darw. ii.* 193. *Geoffr. ii.* 137. *Haen i.* 357. *Hill* 630. *Lew. ii.* 240. *Mackensie in med. obs. ii.* 288. *Monro iii.* 257. *Perciv. T. in med. journ. iv.* 67, repr. in *Perciv. T. ii.* 395. *Und. i.* 338.

Seneca. *Bang in act. haun. i.* 20. 111. 112. 257. *Callisen ib.* 73. *Chalm. ii.* 115. *Darw. ii.* 392. *Lem. Duham. & Juss. account from in med. ess. vi.* 377.

Senecka. *Spielm.* 581.

Senega. *Pharm. lond. noviss.*—Bang in *act. haun. i.* 239. 254. 255; *ii.* 41. 51. *Berg.* 595. *Carth. ii.* 435. *Linn.* 200. *Murr. ii.* 436. *Ploucq. bibl. i.* 661. *Schoepf* 110. *Vog.* 226.

P. Senega. *Pharm. edin.*—Bart. 25. 33. 35. 48. *Cappel, account from in med. rev. iv.* 44. *Lew. disp. by Dunc.* 284. *Massie, account from in chir. rev. xiv.* 63. *Murr. J. i.* 331; *ii.* 46. *Pears. R. i.* 152. 230. 256.

P. Seneca. *Archer, account from in ann. med. iv.* 511, and *med. rev. iii.* 426. *Scott. J. ib.* 313.

P. virginiana. *Lem. Juss. and Boucart in ac. sc. abr. by Southw. iii.* 297.

Rattlesnake root. *Tennent dis. of Virginia, and account from in med. ess. vi.* 376.

Senega Rattlesnake root. *Graing.* 66.

Seneka Snakeroot. *Rush* v. 176.

6. *POLYGALA theezans*. Flowers beardless. Peduncles uniflorous. Stem fruticose. Leaves alternate, lanceolate. *L. mant.* 260.

P. frutescens, *lavandulae folio viridi, flore caeruleo.*
Burm. J. zeyl. 195. t. 85.

POLYGALA theezans. *Burm. N. ind.* 154.

690. PISTIA.

Calyx tubuloso-cucullate, lingulate. *Corolla* none.
Filament inserted into the side of the calyx. *Antherae* 3 to 8. *Style* 1. *Capsule* unilocular, polyspermous. *From Swartz. L.*

1. *PISTIA Stratiotes.* *L. sp.* 1365; *mant.* 493.

Plantago aquatica. *Rumph. vi.* 177. t. 74. f. 2.

STRATIOTES. *Dale* 267.

- α *obovatifolia.* (Variation.) Leaves obovate. *From*
P. Stratiotes. *Jacq. amer.* 234. t. 148; 8vo 303,
Zala asiatica. *Lour. ii.* 492, &
Pistia. *Browne* 329. *Loefl.* 281.

Lenticula palustris sexta vel aegyptiaca, sive Stratiotes
aquatica foliis sedo majore latioribus. *Sloane cat.*
11; *hist. i.* 15. t. 2. f. 2.

- β *ellipticifolia.* (Variation.) Leaves elliptic. *From*
P. Stratiotes. *Swartz. obs.* 343, &
Hayhalem cimaovi. *Alp. aeg. fol.* 41. p. 2, *cop. in*
Alp. a Vesl. ii. 51. t. 36,
Stratiotes aquatica vera Dioscoridis, et aegyptiaca.
Park. theatr. 1249, lower fig. &
Stratiotes aegyptia. *Bauh. J. iii.* 787, lower fig.—

Raii hist. 1324. *Bauh. J.* iii. 787, upper fig. *cop.*
from

Stratiotes aversis foliis. Alp. aeg. fol. 42. *p.* 1,
which *cop.* in *Alp. a Vesl.* ii. *t.* 37.

DECANDRIA.

691. DERRIS.

Calyx quinquecrenate, coloured. *Petals*, unguis fili-
form. *Legumen* oblong, membranaceous. *Lour.*

1. DERRIS *pinnata*. Leaves pinnate. From *Lour.*
ii. 526.

692. ABRUS.

Calyx quadridentate; uppermost tooth broadest.
Filaments 9. *Stigma* obtuse. *Obs.* 8272. *L.*

1. ABRUS *precatorius*. *L. a Murr.* 641. *Hort. kew.*
iii. 7.

Glycine Abrus. *L. sp.* 1025; *mant.* 442.

Glycine scandens, foliolis pinnatis, spicis nodosis
axillaribus. *Browne* 297.

Phaseolus arborescens alatus et volubilis major orien-
talis, fructu coccineo hilo nigro notato. *Pluk.*
alm. 294; *phyt. t.* 214. *f.* 5. In fruit.

Phaseolus glycyrrhizites, folio alato, piso coccineo

atra macula notato. *Sloane cat.* 70; *hist.* i. 180. t. 112. f. 4. 5. 6.

A. frutex. *Rumph.* v. 57. t. 32.

Abrus. *Alp. aeg. fol.* 32, *cop. in*

Phaseolus ruber, Abrus. *Alp. a Vesl.* ii. 40. t. 22.

No fructifications.

Konni. *Rheede viii.* 71. t. 39.

Vicia africana. *Clus. exot.* 87, *cop. in*

Arachus indicus, sive africanus. *Park. theatr.* 1071,

Anastatica. *Gent. mag. for* 1791; lxi. 25. t. 3. f.

1, &

Pisum americanum coccineum, aliis *A. et idem nigrum.* *Bauh. J.* ii. 263. f. 2. In fruit.—f. 1. legumen and seeds *cop. from*

Pisum coccineum americanum. *Lob. obs.* 516, *which repr. in ic.* ii. 67, & *cop. in*

Pisum americanum. *Dalech.* 451,

Arachi indici rubri siliqua cum semine. *Park. theatr.* 1072, &

Arachus indicus. *Gent. mag.* lxi. 25. t. 3. f. 2.

Guiney Peas. *Grew. mus.* 233.

Leaves pinnate; folioles elliptico-oblong, mucronate. *Spikes*, lower axillary, upper terminating lateral branches. *Calyx* pubescent; uppermost tooth the shortest, obscurely emarginate; lowermost somewhat longer the rest. *Obs.* 8272. Specimen gathered by Broughton in Jamaica.

ABRUS. *Dale* 217. *Schoepf* 112.

A. precatorius. *Wright in med. journ.* viii. 257.

Wild Liquorice. *Graing.* 24.

693. ERYTHRINA.

Vexillum several times longer than the alae and carina. *Obs.* 8780, from E. herbacea.—*L.*

- II. ERYTHRINA *orientalis*.—Leaves ternate, unarmed.
Stem arboreous, aculeate. Calyces spathaceous.
Willd.—*Murr.*

E. indica *L. a. Willd.* iii. 913.

Kuara. *Bruce* v. 65. *t.* Petioles aculeate.

ERYTHRINA *Corallodendron*. *L. sp.* 993 β .—
Lour. ii. 519.

694. SPARTIUM.

Calyx bifid with obliquely rounded segments; lower lip quinquèdentate at the end. *Stigma* longitudinal, villose. *Obs.* 3372, *L.*

- II. SPARTIUM *junceum*. Branches terete, opposite, with flowers at the end. Leaves lanceolate. *L. sp.* 995. *Hort. kew.* iii. 10. *Curt. mag. t.* 85. *Host* 388. Near Trieste.—*Gou. hort.* 355. Near Montpellier.

S. dioscorideum hispanicum et norbonense vimineum majus. *Lob. adv.* 408. No fig.

S. dioscorideum narbonense et hispanicum. *Lob. obs.* 532, *repr. in ic.* ii. 91,

Genista italica. *Dod.* 749, &

Genista hispanica. *Ger. by Johns.* 1313, *cop. in*

Spartum hispanicum frutex vulgare. *Park. theatr.* 231, & *abr. in*

Spartum hispanicum. *Park. par. t.* 443. *f.* 4.
Flowers represented as lateral.

Μακρολοβιον. *Ren. 34. t.* 33. Middlemost flowering
branch flexuose.

S. Dioscoridis. *Dalech.* 168.

GENISTA juncea. *Scop. carn. n.* 870. *Bauh. J.*
i. b. 395. (The fig. a different species.)—*Chom.* 248.

Genista hispanica. *Dale* 341. *Geoffr. iii.* 519.

Genista. *Pharm. austriaco-prov.* 40.

695. GENISTA.

Calyx bilabiate; upper lip with 2 divisions, lower
with 3. *Corolla* papilionaceous; petals patent,
leaving the stamina and pistil uncovered. *Stigma*
glabrous. *Obs.* 3705. *L.*

1. Unarmed. Leaves simple.

1. *GENISTA tinctoria*. Leaves lanceolate; margin
pubescent. Branches terete, striate, erect. *Obs.*
4571. Near Chesterfield.—*L. sp. suec. n.* 634;
sp. 998. *Huds.* 311. *Smith brit.* 754; *engl. t.* 44.
Bot. arr. 758. *Dod.* 750, *cop. in ed.* ii. 763, &
cop. from

Tinctorius flos. *Fuchs.* 768. *c.* 312, *which cop. in*
Bauh. J. i. b. 391, & *Dalech.* 175, & *impr. in*
Ferula. Trag. 604.

Genistella tinctoria. *Raii syn.* 474.

Genista tinctoria germanica. *Tourn. paris.* 270.
Vaill. paris. 78.

(*Genistella infectoria vulgi*. *Lob. obs.* 531, *repr. in*
ic. ii. 89,

G. tinctoria vulgaris. *Clus. hist.* i. 101, &

Genistella tinctoria. *Ger. by Johns.* 1316, is *G. germanica*.)

Leaves $2\frac{1}{4}$ tenths of an inch broad. *Calyx* obsoletely bilabiate, the fissure between the 2 upper and 3 lower segments being scarcely deeper than the fissure between the 2 upper segments; segments triangulari-subulate, straight; upper lip bipartite; lower lip tripartite; segments narrower than those of the upper lip, lowermost subulate and narrower than the intermediate ones. *Legumen* linear, compressed, with a short mucro at the end, with protuberances from the seeds. *Obs.* 4571.

GENISTELLA. *Dale* 341.

Genista. *Berg.* 598. *Krock. n.* 1148. *Linn.* 202. *Vog.* 62.

Genet. *Odhelius*, account from in *med. comment.* i. 373.

2. *Unarmed. Leaves simple and ternate.*

2. *GENISTA scoparia.* Branches with acute angles. Leaves ternate and simple. Flowers lateral. Three minute bracteae on the peduncles. Style spiral. *Obs.* 3705. Near Chesterfield.

Spartium scoparium. *L. suec. n.* 633; *sp.* 996. *Bot. arr.* 756. *Curt. lond.* v. 52. *t. Smith brit.* 753. *Hort. kew.* iii. 12. *Fl. dan. t.* 313. *Huds.* 310. *Lightf.* 382. *Woodv.* ii. 243. *t.* 89. *Thornt.* 651.

Cytiso-Genista scoparia vulgaris, flore luteo. *Vaill. paris.* 45.

Cytisus scoparius vulgaris, flore luteo. *Tourn. paris.* 429.

G. angulosa trifolia. *Raii hist.* 1723; *syn.* 474. *Bauh. J. i. b.* 388, *cop. from*

Genista. *Fuchs.* 219. *fol. ed. which cop. in*

218. c. 79, & abr. in *Trag.* 961. *Riv. tetr. t.* 63.
 f. 1. *Ger. by Johns.* 1311, repr. from
G. cum rapo *Dod.* 749, which repr. in
G. scoparia vulgi. *Lob. ic. ii.* 89, cop. in
G. vulgaris. *Park. theatr.* 229, & repr. in
Spartium. *Lob. obs.* 531; *adv.* 407.

Peduncles solitary, axillary, glabrous, as long as the leaves. *Bracteae* 3, ovato-lanceolate, 2 on one side of the peduncle, about the middle, the 3rd underneath and below. *Calyx* bilabiate; lips ovate; upper slightly bifid at the end; lower slightly trifid; middlemost segment projecting. *Petals* of the carina distinct and slightly coherent by a villose margin. *Stamina* monadelphous. *Style* thrice as long as the germen, at first ascending, afterwards recurvate, sometimes spiral, villose and filiform below, towards the end lanceolate canaliculate, and glabrous. *Stigma* simple. *Legumina* flat, oblongo-lunate, decurvate, villose at the margin. *Obs.* 3705.

GENISTA. *Top. Seed. Pharm. lond.—Chom.*
 75. *Cull.* ii. 534. *Dale* 342. *Herm.* 320. *Hill*
 396. *Lew.* i. 458. *Mead mon.* ii. 18. 19. *Mill.*
Jos. 210. *Monro* iii. 115. *Murr.* ii. 360. *Rutty*
 216. *Schrod.* 595. *Spielm.* 652. *Swict.* iv. 257.
Vog. 62.

Spartium. *Tops. Pharm. lond. noviss.*

Spartium scoparium. *Tops. Pharm. edin.—Krock.*
n. 1146. *Lew. disp. by Dunc.* 307. *Murr. J.* i.
 304. *Pears. R.* i. 210.

G. vulgaris. *Geoffr.* iii. 516.

G. angulosa et scoparia. *Chom.* 248; *suppl.* 84.

3. *Unarmed. Leaves ternate.*

3. **GENISTA** *canariensis.* *Folioles* obovate, pubes.

cent underneath; hairs patulous. Branches angular. Peduncles terminal, multiflorous. *Obs.* 8273. Specimen gathered in Fothergill's garden.—*L. sp.* 997. *Hort. kew.* iii. 13.

Cytisus canariensis sempervirens et incanus. *Commel. Casp. hort.* ii. 103. t. 52. From the Canaries.

Cytisus canariensis, flore candido et citrino. *Seb.* ii. 6. t. 4. f. 6. 6.

Cytisus canariensis microphyllos angustifolius prorsus incanus. *Pluk. alm.* 128; *phyt. t.* 277. f. 6.

Cytisus I. *Clus. hisp.* 191, repr. in *hist.* i. 94. Habit well expressed, but the shape of the leaves corresponds better with *G. candicans*.

RHODIUM. *Pharm. austriaco-prov.* 60. *suec.* —*Berg.* 597. *Linn.* 201. *Monro* iii. 233.

Lignum Rhodii. *Carth.* iii. 200. *Geoffr.* ii. 218. *Herm.* 231. *Lew.* ii. 62; *disp. by Rother.* 185. *Murr.* ii. 363. *Rutty* 285. *Schrod.* 661. *Spielm.* 347.

Lignum Aspalathi. *Dale* 345. *Mill. Jos.* 58. (mispr. *Asphaltum Lignum.*)

Aspalathus roseus. *Alst.* ii. 36.

Rosewood. *Neum.* ii. 212.

696. ONONIS.

Filament without any fissure at the base. *Calyx* quinquefid. *Legumen* turgid, unilocular. *Obs.* 4976. 4977. 5249. *L.*

In *O. Natrix, rotundifolia, arvensis*, and probably all the species, uppermost filament readily separable from the rest.

1. *Peduncles ebracteate.*

1. *ONONIS arvensis*. Flowers solitary. Leaves ternate, upper simple; folioles oblong and oval. Branches unarmed. Corolla one third longer than the calyx. *Obs.* 4976. Near Chesterfield on gritstone.—*L. nat.* ii. 478; *a Murr.* 651; *a Reich.* iii. 424 *a. Smith brit.* 758 *a. Bot. arr.* 763. *Gou. hort.* 359. Near Montpellier.

O. inermis arvensis. *Huds.* 312.

O. mitis. *Mill. Ph. dict. n.* 2, who cultivated it by seeds, and never observed it to have any spines.

O. floribus fere sessilibus solitariis lateralibus, ramis inermibus. *Guctt.* i. 257. (The descr. belongs to n. 2, and that of n. 2 to n. 1.)

Anonis spinis carens purpurea. *Rupp. ab Hall.* 265. *Boerh.* ii. 33. In Holland.

O. purpurea, sine spinis. *Bauh. J.* ii. 394. Gathered by Agerius in Slavonia. No fig.

Anonis spinosa, flore purpureo, denue d' epines. *Vaill. paris.* 13.

Anonis non spinosa purpurea. *Raii syn.* 332.

Anonis nostras vulgaris non spinosa purpurea. *Raii hist.* 957, under n. 2.

Branches villose. Folioles mostly retuse, hirsute with globiferous hairs. Calyx semiquinquepartite; hairs with oval heads; segments lanceolato-ensiform, with 5 and 6 ribs. Filaments monadelphous, without any fissure below, uppermost separable without laceration from the rest. Style attenuate, glabrous, permanent, that of the legumen deflex, adpressed. Stigma simple. Legumen oval, with from 1 to 3 seeds. Obs. 4976.

Native of Slavonia, France, and Britain, on gravel, marle gritstone and limestone.

ANONIS spinis carens purpurea. *Rutty* 30.

2. *ONONIS spinosa*. Flowers mostly solitary. Leaves ternate, upper simple. Branches spinose. Corolla twice as long as the calyx. *Obs.* 4977. Specimen gathered at Winkburn in Nottinghamshire, on red clay.—*Huds.* 312. *Bot. arr.* 762. Stouton common, 4 miles south of Worcester, on red clay.—*L. suec. n.* 637 β; *sp.* 1006 β. *Murr. ap. L. a Murr.* 651, from Retz. scand. but the reference omitted.—*Willd. ber.* 233. *Krock. n.* 1151. *Fl. dan. t.* 783.

O. arvensis. *L. a Reich.* iii. 424 β. *Smith engl. t.* 682; *brit.* 758 β. *Reich. franc. n.* 502.

A. spinosa, flore purpureo et albo. *Rupp. ab Hall.* 265.

Anonis spinosa fruticosa erecta, flore purpureo. *Vaill. paris.* 13.

Anonis spinosa, flore purpureo. *Tourn. paris.* 53. *Raii syn.* 332; *hist.* 957.

Resta bovis. *Trag.* 869, *imit. from*

Anonis. *Fuchs.* 60. *fol. ed. cop. in* 60. c. 18. *Dod.* 731, *repr. in*

Anonis, sive *Resta bovis.* *Ger. by Johns.* 1322, & *cop. in*

Anonis aut *O. spinosa*, flore purpureo. *Park. theatr.* 994.

Anonis, sive *Resta bovis vulgaris purpurea spinosa.* *Bauh. J.* ii. 391. (The fig. *Epimedium alpinum.*)

Epimedium quorundam. *Bauh. J.* ii. 391. (The name and descr. *Epimedium alpinum.*)

Anonis spinosa. *Besl. aest. ord.* 10. *fol.* 2. *f.* 3.

Branches villose. *Folioles* oval, often retuse, nearly glabrous; hairs few, globiferous. *Flowers* solitary, rarely geminate. *Calyx* deeply quinquefid; hairs with oval heads; segments ensiform, nearly equal, with 5 and 6 ribs. *Filaments* monadelphous, without any fissure below. *Style* attenuate, glabrous. *Stigma* simple. *Obs.* 4977.

ONONIS spinosa. *Monro* iii. 188.

Ononis. *Pharm. succ.*—*Berg.* 599. *Herm.* 92.

Lew. ii. 160; *disp. by Dunc.* 344. *Linn.* 202.

Murr. ii. 365. *Schrod.* 639. *Spiehm.* 566. *Vog.* 110. 220.

Anonis. *Alst.* i. 368. *Dale* 227. *Geoffr.* iii. 98.

Mill. Jos. 41.

Anonis spinosa, flore purpureo. *Chom.* 220; *suppl.*

70. *Rutty* 30.

697. CROTALARIA.

Legumen inflated. *Filaments* connate, with a fissure on the upper side. *Obs.* 6869. *L.*

1. *CROTALARIA retusifolia*.—Leaves oblong, cuneiform, retuse. Racemi terminal. *L.*

C. retusa. *L. a Willd.* iii. 976; *sp.* 1004. *Hort. kew.* iii. 18.

C. asiatica, floribus luteis, folio singulari cordiformi. *Herm. hort.* 200. *t.* 201.

Tandale-Cotti. *Rheed* ix. 45. *t.* 25.

CROTALARIA major. *Rumph.* v. 278. *t.* 96. *f.* 1.

698. ANTHYLLIS.

Filaments clavate, cuspidate. *Calyx* slightly bilabiate. *Legumen* covered by the calyx. *Obs.* 3831. 7434. *L.*

1. *Herbaceous. L.*

1. ANTHYLLIS *pubescens*. Leaves pinnate; terminal foliole generally larger. Heads 2 and 3 together. Stem and petioles pubescent; hairs adpressed. *Obs.* 3831. Pastures about Chesterfield.

A. Vulneraria. L. succ. n. 638; *sp.* 1012. *Asso n.* 677. *Roth. germ. i.* 303. *Smith brit.* 759; *engl. t.* 104. *Bot. arr.* 765. *Krock. n.* 1154. *Gou. hort.* 361. Near Montpellier.

Vulneraria Anthyllis. Scop. carn. n. 779.

Vulneraria rustica. Bauh. J. ii. 362. *Raii syn.* 325. *Tourn. paris* 174. *Vaill. paris.* 205.

A. lenti similis. Dod. 542, *repr. in*

A. leguminosa. Ger. by Johns. 1240, (mispr. 1204.)

Calyx slightly bilabiate; upper lip semibifid, lower trifid. *Stamina* monadelphous. *Filaments* clavate and inflated at the end. *Germen* stipitate, dispermous. *Style* thrice as long as the germen. *Stigma* simple, obtuse. *Obs.* 3831.

Native of Europe from Spain to Sweden, and of Britain in pastures on chalk limestone gritstone and basaltes.

VULNERARIA. Dale 221. *Geoffr. suite iii.* 417.

699. LUPINUS.

Calyx bilabiate. *Antherae*, 5 oblong, 5 roundish.
Legumen coriaceous, polyspermous. *Obs.* 7162.
L.

1. *Calyces ebracteate*.

1. **LUPINUS** *albus*. Flowers alternate. Upper lip of the calyx entire, lower tridentate. *L. sp.* 1015.
Hort. kew. iii. 28.
L. sativus, flore albo. *Boerh.* ii. 49.
L. sativus. *Dalech.* 466. *Raii hist.* 906; *eur.* 172.
Cultivated about Leghorn and elsewhere in Italy.
—*Ger. by Johns.* 1217, repr. from
L. sativus, albo flore. *Clus. hist.* ii. 228, and cop. in
L. sativus albus. *Park. theatr.* 1074; *par.* 335.
L. major. *Park. par. t.* 337. f. 1.
Lupinus. *Trag.* 622, repr. in *Cord. fol.* 137. p. 1.
Fuchs. 305. c. 116, cop. in
L. vulgaris, semine et flore albo, sativus. *Bauh. J.*
ii. 288.
LUPINUS *albus*. *Bry.* 303.
L. sativus. *Rutty* 295.
Lupinus. *Pharm. austriaco-prop.* 46.—*Alst.* ii. 344.
Dale 219. *Geoffr.* iii. 752. *Herm.* 425. *Lew.*
disp. by Rother. 190. *Linn.* 203. *Mill. Jos.* 275.
Murr. ii. 356.
Lupini. *Spielm.* 31.
Lupin. *Chom.* 750.

2. *Calyces bracteate.*

2. LUPINUS *varius*. Flowers in half whirls. Upper lip of the calyx bifid, lower mostly tridentate. *L. sp.* 1015. *Hort. kew.* iii. 28. *Gou. hort.* 362. Near Montpellier.

L. sylvestris, flore caeruleo. *Boerh.* ii. 48. *Raii cur.* 172. About Messina.

L. caeruleus minor. *Raii hist.* 907. *Park. par.* 335. No fig.

L. silvestris, purpureo flore, semine rotundo vario. *Bauh. J.* ii. 290. *Magn. monsp.* 167.

L. segetum silvestris, flore purpureo. *Lob. adv.* 396, *cop. in ic.* ii. 64, *which repr. in*

L. flore caeruleo. *Ger. by Johns.* 1217, & *cop. in*

L. minimus caeruleus. *Park. theatr.* 1074.

LUPINUS *sylvestris*. *Dale* 219.

L. sylvestris, flore caeruleo. *Rutty* 295.

L. sylvestris, purpureo flore, semine rotundo vario majore. *Boeckl. ap. Herm.* 424.

700. ARACHIS.

Calyx bilabiate. *Corolla* resupinate. *Legumen* torose. *Obs.* 8370, & *from L.*

1. ARACHIS *hypogaea*. *L. sp.* 1040; *mant.* 443. *Hort. kew.* iii. 27.

Arachidna quadrifolia villosa, flore luteo. *Ehret t.* 5. *f.* 3, in flower; *t.* 8. *f. the last.* Fruit.

Chamaebalanus japonica. *Rumph. v.* 426. *t.* 156. *f.* 2.

Arachidna indiae utriusque, tetraphylla. *Herm. prodr.* 314. *Sloane cat.* 72.

Senna tetraphylla, sive *Absi* congener *hirsuta maderaspatensis*, folliculos sub terra condens. *Pluk. alm.* 341; *phyl.* t. 60. f. 2.

Mundubi. *Marcgr. bras.* 37, repr. in *Worm.* 207, and *Pis. ind.* 256, the 2 inner of the 3 lower figures cop. from

Manobi. *Worm.* 208.

Arachus upogaios americanus. *Park. theatr.* 1069. t. 1070, the separate legumina.

Legumina dispermons. *Obs.* 8870. From Jamaica.

ARACHIS. *Browne* 295, occasionally cultivated in Jamaica and the seeds frequently imported thither from Africa.—*Brownrigg in ph. tr. abr. by Hutt.* xii. 665. *Schoepf* 113.

A. hypogaea. *Bry.* 298. *Wright in med. journ.* viii. 225.

Pindals. *Long* iii. 788.

701. HUGONIA.

Calyx quinquepartite; segments unequal. *Petals* 5. *Styles* 5. *Drupe* monospermous. *Nut* striate, mostly decemlocular. *L. a Willd.* *L.*

1. *HUGONIA integerrima.* Leaves entire at the margin. From

H. Mystax. *L. sp.* 944; *a Willd.* iii. 694.

Frutex baccifer malabaricus, fructu calyculato rotundo monoppyreno. *Raii hist.* 1570.

MODERA-CANNI. *Rheede* ii. 29. t. 19.

D O D E C A N D R I A.

702. STERCULIA.

Calyx with 5 divisions. *Corolla* none. *Stamina* and pistils stipitate. *Style* 1. *Stigma* bifid and quinquelobate. *Capsules* 5, unilocular, opening on the inner side. *From Roxb. and from Aubl. & Cav. in Juss. & L. a Schreb. L.*

Some flowers with only the rudiment of a germen. *From Roxb.*

1. STERCULIA *Balanghas*. Leaves ovato-lanceolate. Capsules obovate. *L. a Willd.* ii. 872; *sp.* 1430.—*Forst. G. esc.* 55.

Clompanus minor. *Rumph.* iii. 169. *t.* 107.*

Cavalam. *Rheede.* i. 89. (where for fig. 50 read 49) *t.* 49.

Arbor siliquosa malabarica, pluribus ad singulos flores lobis. *Raii hist.* 1754.

2. STERCULIA *urens*. Leaves cordate, quinquelobate. Calyces semiquinquefid. *From Roxb.* i. 25. *t.* 24.

3. STERCULIA *digitifolia*.—Leaves digitate. *L.* *Nux zeylanica, folio multifido digitato.* *Pluk. alm.* 266: *phyt.* *t.* 208. *f.* 3. *Folios* sessile. No fructifications excepting a nut.

Clompanus major. *Rumph.* iii. 168. *t.* 107. *Folios* sessile.

STERCULIA foetida. L. sp. 1431. H. K. iii. 377.—Forst. G. esc. 55.

Karil. Rheede iv. 75. t. 36. Foliolae petiolate, 3 & 5.

Prunus pentaphyllos malabarica, fructu calyci insidente. Raii hist. 1564.

P O L Y A N D R I A.

703. INGA.

Calyx quinquefid. *Corolla* tubular, quinquefid. *Legumen.* Obs. 8781. L. a Willd.

Male flowers intermixed.

1. *Leaves bigeminate.* L. a Willd.

1. *INGA felina.* Foliolae oval. Stem spinose. Obs. 8781. Specimen from Dr. Wright.

Mimosa Unguis cati. L. sp. 1499. Swartz. obs. 389. H. K. iii. 439.

Mimosa fruticosa, foliis ovatis binato-binatis, seminibus compressis atro-nitentibus, flosculis rubellis adnatis. Browne 252.

Acacia quadrifolia, siliquis circinatis. Plum. ic. 2. t. 4.

Acacia arborea major spinosa, pinnis quatuor majoribus subrotundis, siliquis varie intortis. Sloane cat. 152.

Brasiliensis siliquosa, siliquis varie intortis. Raii hist. 1764.

(Acaciae quodammodo accedens, siue ceratiae et acaciae media jamaicensis spinosa, bigeminatis foliis. *Pluk. phyt. t. 1. f. 6*, is referred to *I. microphylla*.)

ABAREMO TEMO. *Pis. bras. 77, cop. in*
Avaramo-temo. Pis. ind. 168. In fruit. Folioles acute.

2. *INGA dulcis*. Folioles oblong. Stem spinose. Legumina pulpy. *From L. a Willd. iv. 1005, &*
MIMOSA dulcis. Roxb. i. 67. t. 99.

2. *Leaves pinnate. Petiole bordered. L. a Willd.*

3. *INGA marginata*. Unarmed. Leaves bijugate; folioles oblongo-lanceolate, acuminate, glabrous, with a gland between each pair. Petiole bordered at the end. Spikes axillary, mostly in fours. Corollae glabrous. *L. a Willd. iv. 1015.*

(*Mimosa Bourgoni. Aubl. ii. 941, t. 358*, is described as having petioles not bordered.

Mimosa fagifolia. L. sp. 1498; a Murr. 913, & Aubl. ii. 943, is described by Linnaeus as having no glands between the folioles.)

3. *Leaves pinnate. Petiole not bordered. L. a Willd.*

4. *INGA punctata*. Unarmed. Leaves bijugate and trijugate; folioles oblong, acuminate, shining, with with a gland between each pair. Petiole terete, strigose. Spikes paniculate, axillary. Corollae sericeo-villose. *L. a Willd. iv. 1016?*

MIMOSA fagifolia. Jacq. amer. 8vo, 339.

704. CAROLINEA.

Calyx entire. *Petals* ensiform. *Stigmata* 5 and 6.

Capsule unilocular, multivalve, polyspermous.

From *L. fil.* & *Swartz. ind. occid.* 1202.

1. *CAROLINEA princeps*. Leaves mostly quinate; folioles ovato-lanceolate. *Swartz. prodr.* 101. *L. fil. suppl.* 314.

PACHIRA aquatica. *Aubl.* 725. t. 291. 292.

705. ADANSONIA.

Calyx deciduous. *Style* very long. *Stigmata* many.

Capsule lignose, decemlocular, polyspermous, with a farinaceous pulp. *L.*

1. *ADANSONIA digitata*. *L. a Murr.* 620. *Hort. kew.* ii. 439.

A. Bahobab. *L. sp.* 960.

Bahobab, sive *Abavi*. *Clus. exot.* 21, *cop. in Bauh. J. i. a.* 110.

Abavus, aethiopicus fructus Bello. *Bauh. J. i. a.* 109. *Raii hist.* 1371.

Guanabanus Scaligeri. *Raii hist.* 1371. *Bauh. J. i. a.* 109. No fig.

BAHOBAB. *Alp. deg. fol.* 27. p. 1; *fol.* 28, fruit, *cop. in Alp. a Vesl.* ii. 37. t. 17. 18. Leaves represented as ternate and simple.

706. BOMBAX.

Calyx quinquefid. *Capsule* lignose, quinquelocular,

quinquevalve. Seeds woolly. Receptacle pentagonal. From L.

1. BOMBAX *pentandrum*. Leaves septenate. Stamina 5. Antherae winding. From L. & Willd. iii. 731; a Murr. 620; sp. 959. Hort. kew. ii. 440. Jacq. amer. 191. t. 176. f. 70. A flower. Petals ovate with an oblique cuspid; Ste edit. 244. Ceiba *pentandra*. Gaertn. ii. 244. t. 133. Fruit. Ceiba. Plum. gen. 42. t. 32. Fructifications. Eriophoros javana. Rumph. i. 194. t. 80. The fig. C cop. from Panja Panjala. Rheede iv. 59. t. 49 to 51. Gossipium arboreum maximum spinosum, folio digitato, lana sericea grisea. Sloane cat. 159, who remarks that in young trees the stem is aculeate, but in those of a more advanced age unarmed. Gossipium indicum, salicis folio, fructu quinquecapsulari. Raii hist. 1899. Arboris laniferae siliqua. Ger. by Johns. 1552; cop. in Gossipium javanense longifolium. Park. theatr. 1553, & Lanifera arbor peregrina. Bauh. J. i. 347. Gossipium indicum spinosum. Park. theatr. 1553. Leaves quinate and senate; folioles lanceolate, acuminate, serrate. Obs. 8481. Specimen gathered by Dr. Wright in Jamaica. BOMBAX foliis digitatis, brachiis erecto-patentibus. Browne 277. B. foliis digitatis, brachiis horizontaliter porrectis. Browne 277. Silk Cottontree. Graing. 32.
2. BOMBAX *heptaphyllum*. Leaves septenate. Sta-

mina many. *From L. sp.* 960. *Jacq. amer.* 8vo, 246.

Gossypium, seu *Xylon arbor orientale*, digitatis foliis laevibus, fructu quinqucapsulari alba et nitente lappagine farcto. *Pluk. alm.* 172; *phyt. t.* 188. f. 4. Petals oblong.

MOUL-ELAVOU. *Rheede* iii. 61. t. 52. Petals acute.

Moul Elavou, sive arbor lanigera spinosa. *Raui hist.* 1899.

707. SIDA.

Calyx quinquefid. *Style* multipartite and several. *Capsules* unilocular, monospermous dispermous and trispermous. *Obs.* 7195. *L. a Gmel. L.*

I. *Capsules monospermous*, 5. *L. a Gmel.*

1. *SIDA acuta.* Leaves lineari-lanceolate, dentate. Peduncles solitary, axillary. Capsules bicuspidate. Stipulae lanceolate. *L. a Willd.* iii. 735. *Burm. N.*

S. scoparia. *Lour.* ii. 504.

Althaea coromandeliana, angustis praelongis foliis, semine bicorni. *Pluk. mant.* 10; *phyt. t.* 334. fol. 10. pl. 2.

Tjeru parua. *Rheede* x. 105. t. 53.

SILAGURIUM longifolium. *Rumph.* vi. 45. t. 18. f. 2.

2. *SIDA jamaicensis.* Leaves ovate, serrate, tomentose. Flowers axillary, subpedunculatc. Capsules 5, with 2 horns. *L. sp.* 962; *am.* v. 401. *Swartz. obs.* 258.

SIDA humilior, foliis ovatis serratis alternis distichis, petiolis et pedunculis brevibus, ramulis floriferis foliolatis alaribus. *Browne* 280.

3. *SIDA alnifolia*. Leaves subrotundo-ovate, dentate; margin entire at the base. Peduncles several, axillary, shorter than the leaves. Capsules with 8 horns. *L. a Willd.* iii. 741; *sp.* 961.

Malvinda stellata alnifolia. *Burm. J. zeyl.* 150.

SIDA alnifolia. *Lour.* ii. 502.

4. *SIDA capitata*. Leaves obsoletely lobate. Capitula pedunculate, involucrate, with mostly 7 flowers. Involucrum trifoliate. Stem hirsute. *Obs.* 8779. Specimen from Prof. Jos. F. Jacquin.—*L. sp.* 965. *Loefl.* 225.

Malachra capitata. *L. a Murr.* 624. *Hort. kew.* ii. 445. *Swartz. obs.* 262.

Malva frutescens hirsuta, floribus luteis in capitulum congestis. *Plum. ic. t.* 169. *f.* 1.

(*Malva aspera major aquatica*, ex hortensium seu rosearum genere, flore minore luteo, semine aculeato. *Sloane cat.* 96; *hist.* i. 217. *t.* 137. *f.* 1, has sessile verticillate flowers.)

Involucrum, leaves stipulate. *Stipulae* setaceous, 1 on each side at the base. *Obs.* 8779.

SIDA hirta assurgens, foliis angulato-cordatis obtuse lobatis atque dentatis, floribus conglobatis, capitulis foliolatis, pedunculis validis alaribus. *Browne* 281.

2. Capsules monospermous, 9. *L. a Gmel.*

5. *SIDA retusifolia*.—Leaves cuneiform, retuse, serrate, tomentose underneath. *L.*

S. retusa. *L. sp.* 961.

Althaea indica, latiori folio cordiformi ad summum sinuatò. *Pluk. alm.* 26; *phyt. t.* 9. *f.* 2.

SILAGURIUM rotundum, seu vulgare. *Rumph.* vi. 44. *t.* 19. Leaves pale green underneath.

6. *SIDA althaeifolia.* Leaves cordate, subangular, obtuse, serrato-crenate, tomentose on both sides. Capsules shorter than the calyx. *Swartz. prodr.* 101; *ind. occid.* 1207.

Althaea flore luteo. *Sloane cat.* 96; *hist. i.* 218. *t.* 136. *f.* 2.

SIDA erecta subincana villosa, ramulis brevioribus, foliis oblongo-cordatis serratis, floribus confertis ad alas superiores. *Browne* 279.

3. Capsules trispermous, more than 11. *L. a Gmel.*

7. *SIDA indica.* Leaves cordate, acute, crenate, velvety. Stipulae reflex. Upper peduncles longer than the petioles, velvety, pilose at the end. Capsules longer than the calyx, scabrous with stellate hairs. *Obs.* 6493? In Mr. S. Shore's garden from seeds from the Calcutta garden.—*L. sp.* 964? *H. K.* ii. 444?

(*Abutilon indicum.* *Cam. hort.* 3. *t.* 1, *cop. in Bauh. J.* ii. 959, is represented with hirsute petioles and peduncles.)

SIDA indica. *Lour.* ii. 503. Glabrous.

8. *SIDA populifolia.* Leaves subrotundo-cordate, acuminate, unequally repando-dentate. Peduncles solitary, longer than the petioles. Capsules acute, truncate, longer than the calyx. *L. a Willd.* iii. 751. *a Gmel.* 1048. *Sal. R. hort.* 382.

BELOERE. *Rheede* vi. 77. t. 45.

Abutilo indico Camerarii simile si non idem, Beloere.

Raii hist. 1880.

9. *SIDA Abutilon.* Leaves subrotundo-cordate, undivided, longer than the peduncles. Capsules bifid at the end. *L. a Gmel.* ii. 1048; *sp.* 963. *H. K.* ii. 443.

S. foliis subrotundo-cordatis acuminatis. *L. ups.* 198. *Gron. virg.* 101; *ed.* i. 78.

Althaea altera, sive Abutilon. *Cam. epit.* 668.

Althaea Theophrasti, flore luteo, quibusdam Abutilon.

Bauh. J. ii. 958.

Althaea lutea. *Raii hist.* 699. *Ger. by Johns.* 935, repr. from

Althaea luteis floribus. *Lob. obs.* 374, which repr. in *ic.* i. 655, cop. in

Althaea Theophrasti. *Dalech.* 594, &

Althaea lutea, sive Abutilon Avicennae putatum.

Park. theatr. 304, & repr. in

ABUTILON. *Dod.* 645. *Boerh.* i. 274.—*Dale* 192. *Schoepf* 107.

10. *SIDA hirta.* Leaves reniformi-cordate, tridentate, tomentoso-pubescent. Petioles and peduncles pilose and pubescent. Capsules longer than the calyx, hirsute with stellate hairs. *Obs.* 7195. In Mr. Shore's garden from seeds from the Calcutta garden.—*L. a Gmel.* ii. 1048; *a Willd.* iii. 751. *Cav.*

Stem erect, 1½ foot long. *Leaves* subrotundo-cordate, obsoletely tridentate, with 11 ribs underneath, 3 inches long, 4 broad, villosa-pubescent above with 2 & more hairs from the same point, underneath with

stellate hairs, with yellow shining globules interspersed; teeth acute, middlemost rather more projecting; margin dentate with acute teeth. *Petioles* as long again as the laminae. *Peduncles* solitary, patent, hirsute, pubescent, with a knot near the end. *Calyx* quinquefid, half as long again as the upper internodium of the peduncle, hirsute and pubescent with shining yellow globules interspersed; segments ovato-triangular, acuminate, carinate below. *Corolla* rotate, longer than the calyx, buffcoloured yellow; segments purplish brown at the base. *Style* very short. *Stigmata* several. *Fruit* stil green, ovate, truncate, umbilicate at the end. *Capsules* trispermous, 22, adhering laterally, hirsute with short stellate hairs. *Obs.* 7195.

ABUTILON hirsutum. *Rumph.* iv. 29. t. 10.
Leaves ovato-cordate.

708. ALTHAEA.

Calyx double; outer partite; segments 9 to 12.

Capsules unilocular, monospermous. *Obs.* 5059.

L.

1. *ALTHAEA sublobata*. Leaves obsoletely lobate, tomentose. *Obs.* 5060. Specimen gathered for me in a lane near Freistone-shore in Lincolnshire.

A. officinalis. *L. sp.* 966. *Bot. arr.* 735. *Smith engl. t.* 147; *brit.* 739. *Fl. dan. t.* 530. *Woods. i.* 146. *t.* 53. Leaves too green.—*Thornt.* 625. *Huds.* 306. *Lightf.* 373.

A. vulgaris. *Cam. hort.* 12. *Raii hist.* 602; *syn.* 252. *Park. theatr.* 304.

A. Ibisus. *Dod.* 644, repr. in *Lob. ic.* i. 653, *Ger.* by *Johns.* 933, &

Althaea. *Lob. obs.* 373. *Dalech.* 590. *Cam. epit.* 667. *Brunsf.* iii. fol. 131. p. 2. *Fuchs.* 17. c. 5, imit. in *Trag.* 371, & cop. in

A. sive Bismalva. *Bauh. J.* ii. 954.

A. Dioscoridis et Plinii. *Boerh.* i. 269. In Holland.

ALTHAEA. Marsh Mallow. Root. Leaves. *Pharm. lond.* & *noviss.*—*Alst.* i. 361. *Bang in act. haun.* i. 246. *Berg.* 585. *Carth.* i. 267. *Cull.* ii. 125; *clin.* 315. *Dale* 191. *Fordyce, G. pract.* 205. 273. *Geoffr.* iii. 69. *Herm.* 152. 417. 548. *Hill* 643. *Lew.* i. 58. *Linn.* 197. *Mead mon.* ii. 57. 59. *Mill. Jos.* 28. *Monro* iii. 10. *Murr.* iii. 357. *Neum.* ii. 84. *Pears. R. ed.* ii. 292. *Ploucq. bibl.* i. 351. *Quar. febr.* 40. 123. 125. 133. 134. 151. 164. 204. 239. 275. 276. 279. 282. 288. 305. 307. 308. 315. 328. 355. 365. 366. 407; *anim.* 35. 42. 131. 138. 219. 220. 233. 254. 269. 300. *Ranoe in act. haun.* i. 210. *Rutty* 19. *Schrod.* 530. *Spielm.* 451. *Stoll med.* i. 20; ii. 234. 378; iii. 23. 40. 95. 298; *aph. n.* 208. 579. *Und.* i. 355; *Vog.* 50. 185.

A. officinalis. Root. Leaves. *Pharm. edin.*—*Krock. n.* 1124. *Lew. disp. by Dunc.* 136. *Murr. J.* i. 386; ii. 42. 51.

Bismalva. *Ploucq. bibl.* i. 189. 559.

Marsh Mallow. *Und.* i. 358.

Guimauve. *Chom.* 701; *suppl.* 192.

709. *ALCEA*.

Calyx double; outer sexfid and septemfid. *Capsules* unilocular, monospermous. *Obs.* 6042. *L.*

1. *ALCEA rosea*. Leaves cordate; lobes and angles 5 and 7. *Obs.* 6042. In a garden.—*L. sp.* 966. *Krock. n.* 1127. *H. K.* ii. 446.
Malva rosea, folio subrotundo. *Boerh.* i. 269.
Malva rosea fruticosa. *Lob. obs.* 372, repr. in ic. i. 652, cop. in
Malva rosea simplex. *Park. theatr.* 300, & repr. in
Malva hortensis. *Dod.* 641, and *Ger. by Johns.* 928. *Fuchs.* 492, imit. in
Malva romana. *Trag.* 364, & cop. in
Malva rosea, sive *hortensis*. *Bauh. J.* ii. 951. *Raii hist.* 600.
Malva major II. *Dalech.* 585.
Malva hortensis simplex. *Park. par. t.* 367. f. 6.
MALVA rosea. *Carth.* i. 269. *Geoffr.* iii. 772. *Herm.* 606. *Rutty* 301. *Spielm.* 419.
Malva arborea. *Pharm. austriaco-prov.* 47.—*Berg.* 587. *Dale* 191. *Lew. disp. by Dunc.* 328. *Linn.* 197. *Mill. Jos.* 281. *Murr.* iii. 363. *Schrod.* 620.
Malva rosea, folio subrotundo. *Cod. med. p.* lxxi.—*Vog.* 148.
Malva rosea, sive *hortensis*. *Chom.* 700; suppl. 191.

710. *LAVATERA*.

Calyx double; outer trifid. *Capsules* monospermous. *Obs.* 6088. *L.*

1. *LAVATERA arborea*. Stem ligneous. Leaves septangular, tomentose, plicate. Peduncles crowded, uniflorous, axillary. Outer calyx longer than the inner; segments obtuse. *Obs.* 564. In a garden. —*L. sp.* 972. *Bot. arr.* 743; iii. cxxvi. *Smith brit.* 742; *engl. t.* 1841. *Lightf.* 374. Found by Sibbald on islands in the firth of Forth.—*Huds.* 306. In Cornwall and Devonshire.—*Gou. hort.* 349.

L. caule arboriformi; foliis septemangularibus tomentosis plicatis, pedunculis confertis unifloris axillaribus. L. ups. 202. *All. nic.* 27.

Malva arborea marina nostras. Park. theatr. 301. No fig.—*Raii syn.* 252. On the sea side at Hurst Castle opposite to the isle of Wight, and on Portland Caldey and Basse islands.

Malva arborescens. Besl. hort. aest. ord. 6. *fol.* 6. *Cam. hort.* 95. On the road from Pisa to Leghorn, and elsewhere in Italy.

Malva arborea. Bauh. J. ii. 952. In gardens. *Native* of Italy and Britain on the sea shore.

LAVATERA arborea. Spielm. 461.

Malva arborea. Ruttj 301.

Malva arborea maritima. Dale 191.

Malva arborea marina nostras. Cod. med. p. lxxi.

2. *LAVATERA thuringiaca*. Stem herbaceous. Lower leaves cordate, lobate; upper deltoid, trilobate. Outer calyx nearly as long as the inner. Corolla twice and a half as long as the calyx. *Obs.* 6591. Specimen from Prof. Jos. F. Jacquin.—*L. sp.* 973. *Hort. kew.* ii. 451. *Roth germ.* i. 295, in Saxony in mountainous forests; ii. 146. *Schreb. lips.* 8. *Host* 385. *Jacq. austr. t.* 311.

Althaea thuringiaca grandiflora. *Dill. hort.* 9. t. 8. f. 8.

Althaea thuringica. *Cam. hort.* t. 6, cop. in

Althaea flore grandi alceae, thuringiaca Camerario.
Bauh. J. ii. 955.

Peduncles longer and shorter than the calyx.
Calyx, outer trifid; segments ovate, acuminate; margin obsoletely crenate; inner calyx quinquefid; segments ovate, acute, obsoletely crenate. *Obs.* 6591.

LAVATERA thuringiaca. *Krock. n.* 1134. *Murr.* iii. 357.

711. MALVA.

Calyx double; outer triphyllous monophyllous diphyllous & tetraphyllous. *Capsules* unilocular & bilocular; cells mostly monospermous. *Obs.* 4039. *L.*

1. *Capsules monospermous.* *L.* a Gmel.

1. *MALVA sylvestris.* Stem rough. Leaves cordate; lobes 3 to 7, acute. *Obs.* 4039. In a churchyard.
—*L. succ. n.* 627; *sp.* 969. *Smith engl. t.* 671.
Curt. lond. ii. 15. t. *Bot. arr.* 738. *Lightf.* 375.
Huds. 307. *Woodv.* i. 148. t. 54. Corollae too red.—*Ger. by Johns.* 930, repr. from
M. sylvestris procerior. *Dod.* 642, which repr. in *ed.* ii. 653,
M. vulgaris procerior. *Lob. obs.* 371, &
M. silvestris procerior vulgaris. *Lob. ic.* i. 650.
M. major I. *Dalech.* 585.
M. vulgaris. *Raii syn.* 251. *Curt. mat. med. t.* 5.

M. sylvestris elatior. *Fuchs.* 509. *fol. ed. ill cop.*
in 493. c. 194, well cop. in

M. sylvestris recta. *Cord. fol.* 114 p. 1,

M. sylvestris major. *Dalech.* 587, &

M. vulgaris, flore majore, folio sinuato. *Bauh. J.*

ii. 949. *Tourn. paris.* 212. *Vaill. paris.* 124.

Malva vulgaris, flore purpureo. *Park. theat.* 299.

(The fig. *M. rotundifolia.*)

MALVA. Mallow. Leaves. Flowers. *Pharm.*

lond. & noviss.—*Alst.* ii. 169. *Dale* 191. *Lew.* ii.

85. *Monro* iii. 165. *Ploucq. bibl.* i. 696. *Vog.*

66.

M. sylvestris. *Herb.* Flowers. *Pharm. edin.*—

Krock. n. 1129. *Lew. disp. by Dunc.* 250. *Murr.*

J. i. 386. *Pears. R. ed.* ii. 299. *Quar. febr.* 150.

230. *Rutty* 301. *Spielm.* 461.

M. vulgaris. Flowers. *Pharm. austriaco-prov.* 47.

—*Geoffr.* iii. 766. *Mill. Jos.* 280. *Murr.* iii. 364.

M. folio sinuato. *Herm.* 418. 549.

M. vulgaris, flore majore, folio sinuato. *Chom.* 700;

suppl. 190.

Mallow. *Biss. ess.* 162. *Blizard, account from in*

med. rev. i. 331. *Fordyce, G. fev.* iii. 230.

2. *MALVA rotundifolia.* Stem prostrate. Leaves subrotundo-cordate, quinquelobate. Peduncles of the fruit declinate. *Obs.* 2615. On banks.—*L. suec.* n. 627, who remarks that about Upsal the flowers were smaller and the corolla white, at Stockholm the corolla larger and purplish; *sp.* 969. *Curt. lond.* iii. 43. *t.* 157. *Fl. dan. t.* 721. *Huds.* 307. *Lightf.* 374. *Bot. arr.* 737. *Smith brit.* 741; *engl. t.* 1092. *Krock. n.* 1128.

M. vulgaris, flore minore, folio rotundo. *Tourn. paris.* 212. *Vaill. paris.* 124. *Boerh.* i. 267. In Holland.—*Bauh. J.* ii. 949, &

M. vulgaris. *Trag.* 369, which repr. in

M. sylvestris supina. *Cord. fol.* 149. p. 1, cop. from

M. sylvestris pumila. *Fuchs.* 508. fol. ed. which cop. in 492. c. 191. *Dod.* 642, repr. in ed. ii. 653, *Ger. by Johns.* 930,

M. sylvestris repens pumila. *Lob. obs.* 371, & ic. i. 651, & cop. in

M. sylvestris pumila repens. *Dalech.* 586.

M. vulgaris. *Dalech.* 585, abr. in *Park. theatr.* 299, (name and descr. belonging to *M. sylvestris.*)

MALVA minor. *Dale* 191.

M. vulgaris. *Herb. Pharm. austriaco-prov.* 47. —*Berg.* 588. *Linn.* 198. *Schoepf* 108.

M. vulgaris, flore minore, folio rotundo. *Chom.* 700.

M. vulgaris, flore minore. *Geoffr.* iii. 767.

Malva. *Pharm. suec.*—*Carth.* i. 269. *Quar. anim.* 87. *Schrod.* 619. *Spicelm.* 461. *Stoll med.* ii. 234, 378; iii. 23; *aph. n.* 579.

M. folio rotundo. *Herm.* 418. 549.

Mallow. *Rush* i. 136.

3. *MALVA crispa.* Stem erect. Leaves quinquelobate, doubly crenate, curled at the margin. *Obs.* 8568. On rubbish near Chesterfield.—*L. sp.* 970. *Hort. kew.* ii. 450. *Roth germ.* i. 296. In hedges and cultivated ground in Bremen and Oldenburgh, and near Herborn in Weteravia in the Circle of the Upper Rhine; ii. part ii. 148. Naturalised.—*Bauh. J.* ii. 952. *Raii hist.* 597. *Dod.* 642, repr.

in Ger. by Johns. 931, *abr. in Park. par. t.* 497, *f.* 1, & *repr. in*

M. cristatis oris. *Lob. obs.* 372, and *ic.* ii. 651.

M. hortensis crispa. *Cord. fol.* 114. *p.* 1.

M. foliis crispis. *Boerh.* i. 268.

Stem nearly glabrous, obsoletely striate here and there. *Leaves* alternate; laminae glabrous; teeth terminated by 2 and 1 short hairs. *Petioles* longer than the internodia, pubescent above, glabrous underneath. *Peduncles* very short. *Calyx* triphyllous; phylla ensiform, ciliate, inserted into the base of the inner calyx; inner calyx quinquefid. *Petals* cuneiform, deeply retuse, one third longer than the calyx, whitish, purplish at the end; sinuses semicircular, slightly erose. *Capsules* monospermous. *Seeds* not yet ripe, containing a green plumule. *Obs.* 8568.

MALVA crispa. *Dale* 191.

M. foliis crispis. *Cod. med. p.* lxxi.

4. *MALVA Alcea.* *Stem* erect. *Leaves* multipartite, somewhat scabrous. *Calyces* tomentose; phylla of the outer lanceolato-elliptic. *Obs.* 8803. Specimen gathered by Broughton in a garden in Britain.—*Curt. lond.* under *M. moschata.*—*L. suec. n.* 628; *sp.* 971; *mant.* 436. *Krock. n.* 1130. *Bot. arr.* 742. note.—*Host* 384. *Scop. carn. n.* 860. *Poll. n.* 660.

Alcea vulgaris major, flore ex rubro roseo. *Boerh.* i. 270.

Alcea vulgaris major. *Tourn. paris.* 241. *Vaill. paris.* 3.

Alcaea. *Cam. epit.* 669.

Alcea. *Tab. ic.* 771. *Matth.* 927. (*Dalech.* 593,

has racemose flowers.) *Fuchs*. 80. *fol. ed. cop. in* 83, & *cop. in Trag.* 365. c. 27, *abr. in*

Alcea vulgaris. *Bauh. J.* ii. 953. *Park. theatr.* 302. (*Besl. hort. aest. ord.* 6. *fol.* 3. *n.* 1, is *M. moschata*, and *Besl. hort. aest. ord.* 6. *fol.* 3. *f.* 1, as suggested by Mr. Knowlton, *Althaea cannabina*. *Dod.* 645, *repr. in Lob. obs.* 374, & *ic.* i. 655, *cop. in Dalech.* 593, & *repr. in*

M. verbenaca. *Ger. by Johns.* 931, is probably *M. moschata*.)

ALCEA. *Dale* 191. *Geoffr.* iii. 50. *Mill. Jos.* 21. *Rutty* 12.

Alcea vulgaris minor. *Chom.* 705.

712. GOSSYPIMUM.

Calyx double; outer trifold. *Capsule* trilocular and quadrilocular. *Seeds* wrapped up in wool. *From L. & Swartz.*

1. *GOSSYPIMUM herbaceum*. Leaves quinquelobate; lobes acute. Stem herbaceous. *Obs.* 8268. Specimen from M. Hertel.—*L. a Murr.* 628; *sp.* 975. *Hort. kew.* ii. 453. *Lour.* ii. 505. Segments of the outer calyx dentato-incise and entire at the margin.

G. foliis quinquelobis. *L. ups.* 203.

G. sive Xylon. *Raii eur.* 135. Cultivated in Malta.—*Dalech.* 221. *Dod.* 66, *repr. in Lob. obs.* 371; *ic.* i. 650, & *Ger. by Johns.* 901, & *cop. in*

Gossypium frutescens annuum. *Park. theatr.* 1552, & *Xylon Gossypium*. *Stap.* 425.

Xylon. *Fuchs.* 529. c. 203, *cop. in*

Xylon, sive *Gossypium herbaceum*. *Bauh. J. i. a.* 343. *f. 1. f. 2. Raii hist.* 1064. *Boerh. i.* 273.

Gossypium. Cam. epit. 203.

GOSSYPIUM. *Berg.* 590. *Herm.* 361. *Linn.* 198. *Murr.* iii. 367. *Schoepf* 108.

Bombax. Alst. ii. 331. *Dale* 192. *Mill. Jos.* 88. *Schrod.* 548.

β *perennis*. Stem perennial. *From Rumph.*

(*G. indicum. L. a Willd.* iii. 803, is marked as annual and biennial, the stem described as herbaceous, and the lobes of the leaves as obtuse.)

GOSSYPIUM *vulgare. Rumph.* iv. 33. *t. 12.* Lobes of the leaves acute. Corresponds with the specific character of *G. barbadense* excepting that *Rumphius* describes the wool as firmly adhering to the seeds.

2. **GOSSYPIUM** *arborescens*. Leaves palmate; lobes lanceolate, mucronate. Stem fruticose. *L. sp.* 975; *mant.* 436. *Hort. kew.* ii. 453. *Lour.* ii. 506. Segments of the outer calyx incise.—*Park. theatr.* 1552. Leaves represented as incise.

Gossypium arborescens, Gotnemsegiar. Alp. aeg. fol. 29. *p. 1, cop. in a Vesl.* ii. 38. *t. 19, & abr. in*

Xylon arborescens. Bauh. J. i. a. 346. Segments of the calyx entire.—*Raii hist.* 1064.

G. herbaceum, sive Xylon maderaspatense, rubicundo flore, pentaphyllum. Pluk. alm. 172; *phyt. t.* 188. *f. 3*, is called herbaceous, and has an outer calyx with entire segments.

CUDU-PARITI. *Rheede i.* 55. *t. 31.*

Xylon malabaricum, Cudu-pariti dictum. Raii hist. 1065.

3. *GOSSYPIUM vitifolium*. Leaves trilobate and quinquelobate, with 1 gland underneath; lobes semi-ovate, mucronate. Petioles and peduncles hirsute, minutely tuberculate. *Obs.* 8270. Specimen from Prof. Jos. F. Jacquin.—*L. a Willd.* iii. 804. *Car.*
G. frutescens annum, folio vitis ampliore quinque-fido. *Pluk. alm.* 172; *phyt. t.* 188. f. 2. No fructifications.
- GOSSYPIUM latifolium*. *Rumph.* iv. 37. t. 13. Calyces laciniate.
4. *GOSSYPIUM barbadense*. Upper leaves trilobate, lower quinquelobate; lobes divaricate. Branches petioles and peduncles nearly glabrous, dotted. Wool slightly adhering to the seeds. *Obs.* 8778. Specimen gathered by Dr. Wright in Jamaica. Account of the seeds and lower leaves from *Swartz. obs.* 266. *L. sp.* 975; *a Willd.* iii. 806. *Hort. kew.* ii. 453.
G. foliis trilobis integerrimis. *L. ups.* 204.
G. frutescens annum, folio trilobo, barbadense. *Pluk. alm.* 172; *phyt. t.* 188. f. 1. In fruit.
G. brasilianum, flore flavo. *Sloane cat.* 156.
Branches, dots black. Leaves, upper nearly glabrous above, tomentose underneath; margin entire. Petioles with black dots. Peduncles with black dots. Calyx, outer, segments incise. *Obs.* 8778.
GOSSYPIUM fruticosum, foliis trilobis, seminibus majoribus. *Browne* 283.

713. HIBISCUS.

Calyx double; outer monophyllous triphyllous and

polyphyllous. Capsule quinquelocular, quinquevalve; cells polyspermous and monospermous. Obs. 6229. 8786. 8357. L.

1. Cells polyspermous. Outer calyx monophyllous.

1. HIBISCUS *elatus*. Leaves cordate, subrotund; margin entire. Peduncles very short, uniflorous. Outer calyx semiquinquefid. From Swartz. prodr. 102, & ind. occid. 1218. Donn 168.

Malva arborea, folio rotundo, cortice in funes ductili, flore miniato maximo liliaceo. Sloane cat. 95; hist. i. 215. t. 134. f. 2. 3.

HIBISCUS arboreus, foliis angulato-cordatis, flore amplo croceo, ligno violaceo. Browne 284.

2. HIBISCUS *tiliaefolius*. Leaves cordate, acuminate, angular crenate and entire at the margin. Stem arboreous. Outer calyx semidecemfid. Obs. 8357. Specimen gathered by Dr. Wright in Jamaica.—Sal. R. hort. 383.

H. tiliaceus. L. sp. 977. Hort. kew. ii. 454. Forst. G. esc. 73. Lour. ii. 509.

Althaea maritima arborescens diffusa, foliis orbiculato-cordatis leniter crenatis subtus cinereis. Browne 284.

Malva arborea maritima, folio subrotundo minore acuminato subtus candido, cortice in funes ductili, flore luteo. Sloane cat. 95; hist. i. 215. t. 134. f. 4. In fruit.

Pariti, seu Tali-pariti. Rheede i. 53. t. 30.

Alcea malabarica, abutili folio, flore minore ex albo flavesciente exterius subaspero. Raii hist. 1070.

NOVELLA. Rumph. ii. 218. t. 72.

2. *Cells polyspermous. Outer calyx triphyllous.*

3. **HIBISCUS populifolius.**—Leaves cordate; margin entire. Stem arboreous. *L.*—*Sal. R. hort.* 383.

H. populneus. L. sp. 976: *H. K.* ii. 454.

Bupariti. Rheede i. 51. *t.* 29.

Alcea malabarica, abutili folio, flore majore ex albo flavescente. Raii hist. 1069.

NOVELLA litorea. *Rumph. ii.* 224. *t.* 74.

3. *Cells polyspermous. Outer calyx polyphyllous. Stem aculeate.*

4. **HIBISCUS vitifolius.** Stem herbaceous. Leaves quinquangular, acute, serrate. Flowers cernuous. Capsule with 5 wings. *From L. sp.* 980; *mant.* 569, & *a Gmel. ii.* 1062.

Althaea indica, vitis folio, flore amplo flavo pendente. Herm. hort. 26. *t.* 28.

KATU BELOEREN. *Rheede vi.* 79. *t.* 46.
Raii hist. 1880.

5. **HIBISCUS appendiculatus.** Aculei recurvate. Leaves palmate and trilobate. Outer calyces with appendages. Stipulae semicordate. Flowers pedunculate. *From*

H. surattensis. L. sp. 979; *mant.* 436; *a Murr.* 630. *Hort. kew.* ii. 457. *Lour. ii.* 512.

HERBA CRINALIUM domestica. *Rumph. iv.* 40. *t.* 16.

6. **HIBISCUS cannabifolius.**—Leaves serrate, with 1 gland underneath, upper palmate and quinque-partite. Stem aculeate. Flowers sessile. *L.*
Ketmia indica, foliis digitatis, flore magno sulphureo

umbone atro-purpureo, petiolis spinosis. *Ehret t.*
6. f. 1.

Alcea benghalensis spinosissima, acetosae sapore, flore
luteo pallido umbone purpurascente. *Commel.*
J. hort. i. 35. t. 18.

Alcea americana. *Clus. hist.* ii. 26, repr. in

Sabdarifa. *Ger. by Johns.* 936, & abr. in

Sabdarifa, seu *Alcea americana.* *Park. pur.* 368. t.
367. f. 3.

HIBISCUS cannabinus. *L. sp.* 979. *Donn* 169.
—*Roxb.* ii. 48. t. 190.

4. *Cells polyspermous.* *Outer calyx polyphyllous.*
Stem unarmed.

7. *HIBISCUS rosiflorus.*—Leaves ovate, acuminate,
serrate. Stem arboreous. *L.*

H. Rosa sinensis. *L. sp.* 977. *H. K.* ii. 455. *Lour.*
ii. 510.

FLOS FESTALIS. *Rumph.* iv. 24.

α *simplex.* Corolla single.—*H. K. α.* *Curt. mag. t.*
158.

β *plenus.* Corolla double.—*H. K.*

Alcea javanica arborescens, flore pleno rubicundo.

Breyn. cent. 121. t. 56. *Raii hist.* 1068,

Schem-pariti. *Rheede* ii. 25. t. 16.

Bonga raja rubra plena. *Rumph.* iv. 24. t. 8.

8. *HIBISCUS petioliflorus.*—Leaves ovate, acuminate,
serrate. Flowers on the petioles. Stem simple. *L.*

Alcea rosea peregrina, forte *Rosa moscheutos* *Plinii.*

Corn. 144. t. 145, abr. in *Hist. ox. s.* 5. t. 19.
f. 6.

HIBISCUS Moscheutos. *L. sp.* 975.—*Schoepf*
109.

9. *HIBISCUS mutabilis*. Leaves cordate, quinquangular, obsoletely serrate. Stem arboreous. *L. sp.* 977. *H. K.* ii. 455. *Lour.* ii. 511.

Althaea arborea. *Rosa sinensis*. *Hist. ox. s.* 5. t. 18. row 3. f. 2.

Hina pariti. *Rheede* vi. 66. t. 38 to 42.

FLOS HIORARIUS. *Rumph.* iv. 27. t. 9.

10. *HIBISCUS Abelmoschus*. Leaves cordate, lobate and angular; lobes and angles from 3 to 7; lobes acuminate, crenato-serrate. Stem hispid. *Obs.* 6229. In Sir H. Hunloke's garden.—*L. sp.* 980. *Hort. kew.* ii. 457. *Mill. Ph. dict. n.* 3.

H. foliis peltato-cordatis septemangularibus serratis hispidis. *L. ups.* 206.

H. hispidus, foliis quinquelobis, lobis acutis, semine muscato. *Browne* 285.

Alcea hirsuta, flavo flore, & semine moschato. *Marcgr.* 45. *Sloane cat.* 98. Varies with sinuate and rounder leaves—which variety probably the same with my specimen. *Obs.* 3485.

Ketmia aegyptiaca, semine moschato. *Boerh.* i. 272.

Alcea aegyptiaca villosa. *Raii hist.* 1066.

Alcea aegyptia moschata, Abelmosch dicta. *Park. theatr.* 303.

Granum moschatum. *Rumph.* iv. 38. t. 15.

Ab el mosch, seu Mosch arabum. *Alp. a Vesl.* ii. 207.

Bammia muschata. *Alp. a Vesl.* ii. t. 66.

Cattu-gasturi. *Rheede* ii. 71. t. 38.

Stem shrubby; smaller branches herbaceous, with a brownish purple streak above the axillae; streaks decurrent on each side parallel to the decurrent margin of the petiole. *Leaves* hispid, quinquefido-septi-

lobate being cloven before and lobate behind, septilobate, angular with from 3 to 7 angles, and sometimes nearly hastate. *Petioles* hispid. *Stipulae* subulate, hispid. *Peduncles* axillary, solitary, about as long as the corolla, pubescent; hairs crowded, slightly deflex. *Calyx*, outer with from 6 to 11 subulato-linear phylla; inner from half as long again to thrice as long as the outer, sexfid and quinquelfid, bursting to near the base on one side. *Petals* 6, oblongo-ovate, pale yellow, with a brownish purple blotch at the base; upper margin of the blotch obliquely rounded. *Stamina* as long as the calyx. *Filaments* the loose ends shorter than the antherae. *Antherae* on the outside from near the base to the end of the united filaments, about 20, roundish. *Pistil* longer than the stamina. *Germen* pyramidal, pubescent, quinquelocular; cells polyspermous. *Styles* 5, united below, purple at the end. *Stigmata* 5, oval, brownish purple. *Obs.* 6229.—*Stem* hispid. *Leaves* hispid, sexlobate and quinquelobate, crenate; lobes triangular, acuminate; sinuses concave. *Obs.* 3485. Specimen gathered by Broughton in Jamaica.—*Leaves* roundish, somewhat cuneiform at the base, quinquangular. *Seeds* when rubbed of the scent of musk. *Obs.* 3485. Specimen in fruit from the garden of Fothergill.

ABELMOSCHUS. *Berg.* 591. *Lew. disp. by Rother.* 81. *Linn.* 198. *Murr.* iii. 376. *Vog.* 173. *Abelmosch.* *Alst.* ii. 321.

Bamia moschata. *Dale* 192. *Lew.* i. 200. *Mill. Jos.* 74.

11. HIBISCUS *Sabdariffa*. Leaves serrate; lower undivided, ovate; upper trilobate and quinquelobate. Flowers nearly sessile. *Obs.* 8271. Specimen gathered by Dr. Wright in Jamaica, probably in a garden.—*L. sp.* 978; *mant.* 436. *Swartz. obs.* 269. *Hort. kew.* ii. 457.

H. gossypifolius. *Mill. Ph. dict. n.* 10.

H. rufescens acetosus, foliis trilobis. *Browne* 285.

Ketmia indica, gossypii folio, acetosae sapore. *Boerh.* i. 272.

Alcea acetosa indica mitis, foliis superioribus gossypii in modum tripartito-divisis. *Pluk. alm.* 15; *phyt.* t. 6. f. 2.

Alcea acetosa, trifido folio, indiae occidentalis. *Sloane cat.* 99.

Althaea indica, gossypii folio, acetosae sapore. *Raii hist.* 1900.

Calyx outer enneaphyllous; *phylla* subulate; inner monophyllous, bursting on one side; mouth semi-quinquefid. *Germen* ovate, longer than the outer calyx, novilocular. *Obs.* 8271.

RED SORREL. *Long.* iii. 805.

12. HIBISCUS *esculentus*. Leaves quinquelobate. Outer calyx deciduous, decaphyllous; inner semi-quinquefid, bursting longitudinally. *Obs.* 8786. Specimen gathered by Dr. Wright in Jamaica, and from *L. a Willd.* iii. 827; *sp.* 980. *H. K.* ii. 458.

H. ficifolius. *Mill. Ph. dict. n.* 15.

H. ramosus hirsutus, foliis lobatis irregulariter crenatis, fructu longiori. *Browne* 285.

Alcea americana annua, flore albo maximo, fructu

pyramidali sulcato. *Commel. J. hort. i. 37. t. 19.*

Alcea maxima, malvae roseae folio, fructu decagono recto crassiore brevior esculento. *Sloane cat. 98; hist. i. 223. t. 133. f. 3. Fruit.*

Alcea brasiliensis. Raii hist. 1068.

Quingombo. *Maregr. 31. Leaves quinquefidopalmate.*

HIBISCUS esculentus. *Bry. 376. Clark, James in med. facts vii, 307. Lour. ii. 512. Schoepf 109. Sonnini ii. 4. Wright in med. journ. viii. 262.*

Ochra. *Edw. Bryan i. 199. Graing. 19. 36.*

714. MESUA.

Calyx tetraphyllous. *Petals 4. Pistil 1. Nut* tetragonous, monospermous. *L.*

1. *MESUA ferrea. L. sp. 734; mant. 402.*

Belutta Tsjampakam. *Rheede iii. 63. t. 53.*

Belutta Tsjampacam, sive Castanea rosea indica. *Raii hist. 1680.*

NAGASSARIUM. Rumph. vii. 3. t. 2.

715. CAMELLIA.

Calyx imbricate; inner phylla larger. *L.*

1. *CAMELLIA acuminata.*—Leaves acutely serrate, acuminate. *Thunb.*

Thea chinensis, pimentae jamaicensis folio, flore rosco simplici. *Pet. gaz. 52. t. 33. f. 4.*

548 MONADELPHIA. 717. Barringtonia.

Sa. *Kaempf. am.* 850. *t.* 851.

Corolla quinquefido-partite, deciduous, vermilion coloured; segments obovate, incumbent. *Obs.* 2641. In a garden.

CAMELLIA japonica. *L. sp.* 982. *Hort. kew.* ii. 460. *Curt. mag. t.* 42. *Jacq. coll. i.* 117; *ic.* iii. *t.* 553. *Thunb. jap.* 272;—*trav.* iv. 38.

2. *CAMELLIA emarginata.*—Leaves obtusely serrate, emarginate. *Thunb.*

C. Sasanqua. *Thunb. jap.* 273. *t.* 29.

SASANQUA. *Kaempf. am.* 853.

3. *CAMELLIA drupifera.* Leaves ovato-oblong, subcrenate. Flowers 2 and 3 together. Nuts quadrilocular. *Lour.* ii, 499.

716. METEORUS.

Calyx superior, quadrifid. *Corolla* hypocrateriform; limb quadrifid. *Drupe* monospermous, crowned. *From Lour.*

1. *METEORUS coccineus.* *Lour.* ii. 499.

717. BARRINGTONIA.

Calyx superior, diphyllous. *Petals* 4. *Drupe.* Nut quadrilocular. *L. fil. suppl.* 50. *Forst. J.* and *G.* 75. *t.* 38. 38 *a.* 38 *b.*

1. *BARRINGTONIA speciosa.* *Forst. J. and G.* 76; *G. austral. n.* 255. *L. fil. suppl.* 312.

Butonica speciosa. *Hort. kew.* ii. 439.

Mammea asiatica. *Osborn.* ii. 62. *L. sp.* 731.

La Commersona. *Sonn. nouv. guin.* 14. t. 8. 9.

BUTONICA. *Rumph.* iii. 179. t. 114.

718. GUSTAVIA.

Calyx superior, quadrifid and sexfid. *Petals* 4 and 6. *Berry* dry, quadrilocular and quinquelocular. *From L. a Willd. & L. fil. suppl.* 51.

1. *GUSTAVIA tetrapetala.* *Petals* 4. *From G. augusta.* *L. a Willd.* ii. 846; *a Murr.* 620. *L. fil. suppl.* 313.

Pirigara tetrapetala. *Aubl.* 486. t. 192.

(*Pirigara hexapetala.* *Aubl.* 490. t. 193, has a calyx with subulate segments.)

JANIPARANDIBA. *Pis. bras.* 121, repr. in *Japarandiba.* *Marcgr.* 109. In fruit.—*Raii hist.* 1646.

719. CORDYLA.

Calyx inferior, quadrifid. *Corolla* none. *Berry* unilocular, stipitate. *From Lour.*

1. *CORDYLA africana.* *Lour.* ii. 500.

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